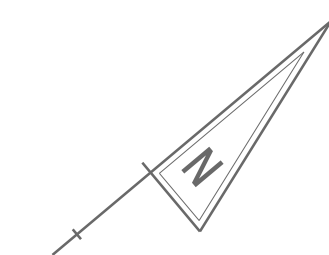
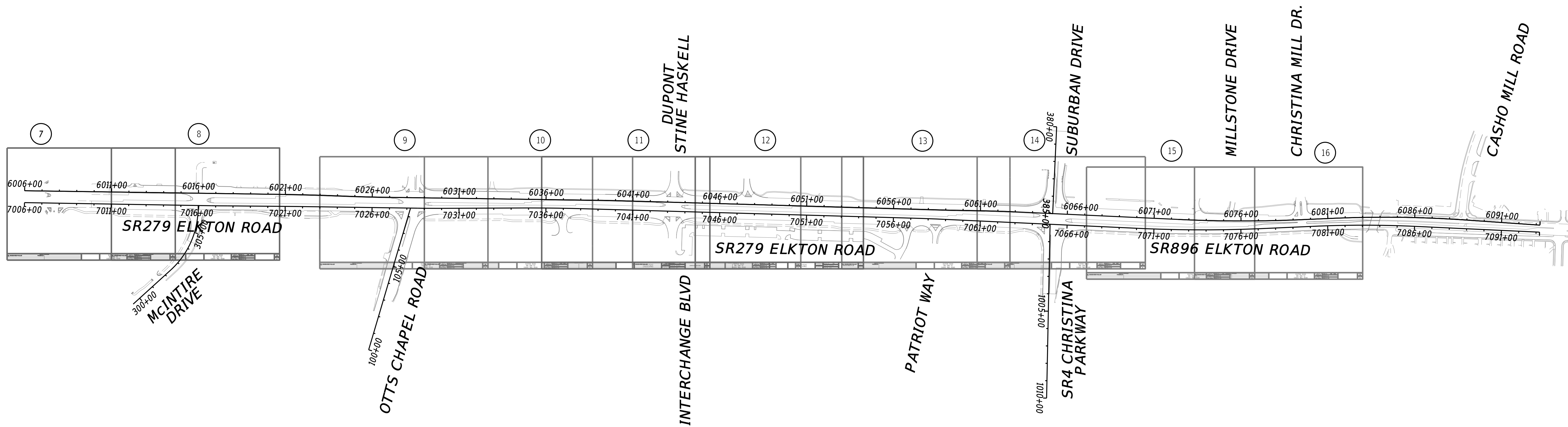




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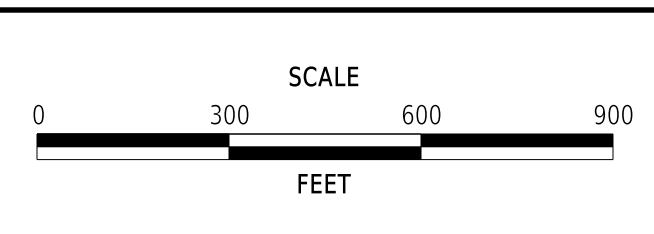


NOTE: PLAN SHEETS 17-19 FOR OFF-SITE PLANTING LOCATIONS ARE OUTSIDE OF ELKTON ROAD LIMITS. REFER TO TITLE SHEET FOR GENERAL PARK LOCATIONS.



PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE 14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE ARCHITECTURE\NS.DGN [ SHEET: IS ]

ADDENDA / REVISIONS



**ELKTON ROAD  
LANDSCAPING**

CONTRACT	BRIDGE NO.	<b>N/A</b>
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

**PLAN SHEET INDEX**

SECTION	JMT
SHEET NO.	2



ADDENDA / REVISIONS

NOT TO SCALE

ELKTON ROAD  
LANDSCAPING

CONTRACT  
T202204401  
COUNTY  
NEW CASTLE

BRIDGE NO. N/A  
DESIGNED BY: S.RASMUSSEN  
CHECKED BY: B.HERB

ADDENDA AND REVISIONS

SECTION  
JMT  
SHEET NO.  
3

PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE.14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LG.DGN [ SHEET: L001 ]

MANMADE ROADSIDE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BARRIER - DOUBLE-FACED, PERMANENT			
BARRIER - SINGLE-FACED, PERMANENT, TEST LEVEL 4 / TEST LEVEL 5	BARRIER, TYPE "X"		B XXX
BARRIER - HIGH TENSION CABLE (HTCB)			
BARRIER - HTCB END TERMINAL			
BOLLARD - STEEL POLE			
BOLLARD - WOOD POST			
CURB, TYPE 1 AND TYPE 3			
CURB, TYPE 2	CURB, TYPE "X"		
CURB & GUTTER, TYPE 1			C XXX
CURB & GUTTER, TYPE 2			
CURB & GUTTER, TYPE 3	C&G, TYPE "X"		
CURB OPENING - SUMP / ON GRADE			C O
CURB/SW OPENING - ADJACENT CURB			CO SW
CURB/SW OPENING - NON-ADJACENT CURB			
FENCE - CHAINLINK OR STRANDED			F XXX
FENCE - STOCKADE OR SPLIT RAIL			
FLAG POLE	F.P.		
GUARDRAIL - STEEL BEAM, TYPE 1			
GUARDRAIL - STEEL BEAM, TYPE 2			
GUARDRAIL - STEEL BEAM, TYPE 3			
GUARDRAIL - WIRE ROPE			
GUARDRAIL - END ANCHORAGE			GR XXX
GUARDRAIL - END TREATMENT, TYPE 1			
GUARDRAIL - END TREATMENT, TYPE 2			
GUARDRAIL - END TREATMENT, TYPE 3			
IMPACT ATTENUATOR			
LAMP AND POST - RESIDENTIAL	LAMP 		
MAILBOX	MB 	MB 	
PARKING METER AND POST	P.M. 		
PAVEMENT - FLEXIBLE			
PAVEMENT - RIGID			
PILE - BRIDGE			
PILLAR OR MISCELLANEOUS POST			
TRAFFIC SIGN AND POST			
WALL - BRICK OR BLOCK			
WALL - STONE			

DRAINAGE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BIOFILTRATION SWALE			
DITCH OR STREAM (V-SHAPE / TRAPEZOIDAL)			
DIRECTIONAL STREAM FLOW ARROW			
DRAINAGE INLET	C.B. 	D.I. 	DI XXX
DRAINAGE JUNCTION BOX	J.B. 		JB XXX
DRAINAGE MANHOLE			RM XXX
DRAINAGE PIPE AND FLOW ARROW	SIZE/TYPE LABEL 		P XXX
FLARED END SECTION			FE2 XXX
RIPRAP - AREA FEATURE			RR XXX
RIPRAP - LINEAR FEATURE			
SAFETY END STRUCTURE			SES XXX
UNDERDRAIN			UD XXX
UNDERDRAIN OUTLET			UDO XXX

UTILITY FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	
COMMUNICATIONS DISTRIBUTION BOX			
COMMUNICATIONS MANHOLE	C 	T 	C
COMMUNICATIONS TEST POINT	CT 	T 	
COMMUNICATIONS - UNDERGROUND		COMM 	
ELECTRIC - UNDERGROUND		E 	
ELECTRIC MANHOLE	E 	E 	
ELECTRIC METER	EM 		
ELECTRIC TRANSFORMER	E 		
GAS - UNDERGROUND		G 	
GAS MANHOLE	G 	G 	
GAS METER	G.M. 		
GAS VALVE	G.V. 		
GAS PUMP - SERVICE STATION	G.P. 		
IRRIGATION - UNDERGROUND	IR(A) 	IR 	
ITMS - UNDERGROUND		ITMS 	
LIGHTING - UNDERGROUND		LI 	
LUMINAIRE - POLE MOUNTED			
MANHOLE - UNDETERMINED OWNER			
RAILROAD TRACKS			
SANITARY - UNDERGROUND		S 	
SANITARY SEWER MANHOLE	S 	S 	
SANITARY SEWER VALVE	S.V. 		
SANITARY SEWER CLEANOUT OR VENT	S.C.O. 		
SEPTIC DRAIN FIELD	S.D.F. 		
SIGNALIZATION - UNDERGROUND		SIG 	
SOIL BORING LOCATION			
TELEPHONE BOOTH	B 		
TRAFFIC - CONDUIT JUNCTION WELL	J.W. 		
TRAFFIC - LIGHT POLE AND BASE			
TRAFFIC - PEDESTRIAN POLE & BASE			
TRAFFIC - SIGNAL CABINET & BASE			
TRAFFIC - SIGNAL POLE AND BASE			
UTILITY BOX	U 		
UTILITY MARKER	UM 		
UTILITY POLE GUY WIRE ANCHOR			
UTILITY POLE			
UTILITY TEST HOLE LOCATION			
WATER - UNDERGROUND		W 	
WATER - FIRE HYDRANT	F.H. 	F.H. 	
WATER METER	W.M. 		
WATER VALVE	WV 	WV 	
WELL HEAD	WELL 		

PAVEMENT SECTION(S)	
OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS	

NATURAL ROADSIDE FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
TREE STUMP		
SHRUBBERY		
WETLAND BOUNDARY - DELINEATED	WL 	
WOODS LINE BOUNDARY		

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	DA 	DA 
EASEMENT - OTHERS	EASEMENT TYPE 	
PERMANENT EASEMENT	PE 	PE 
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	C.M. 	
PROPERTY MARKER - IRON PIPE	I.P. 	
RIGHT-OF-WAY BASELINE	100+00 	100+00 
RIGHT-OF-WAY LINE	R/W 	R/W 
RIGHT-OF-WAY BY PE	R/W-PE 	
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA 	R/W-DA 
RIGHT-TO-ENTER		RTE 
TEMPORARY CONSTRUCTION EASEMENT		TCE 

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
POINT OF CURVATURE OR TANGENCY	
POINT OF INTERSECTING TANGENTS	
SURVEY BENCHMARK LOCATION	B.M. 
SURVEY NGS POINT LOCATION	
SURVEY TIE POINT LOCATION	T.P. 
SURVEY TRAVERSE POINT	

MISCELLANEOUS FEATURES	
FEATURE DESCRIPTION	PROPOSED
CLEAR ZONE	CZ 
CONSTRUCTION BASELINE	100+00 
LATERAL OFFSET	LO 
LIMIT OF CONSTRUCTION	LOC 
REFORESTATION AREA	

UTILITY COMPANY FACILITIES	
ATT-FO 	AT&T - FIBER OPTIC
DOT-E-DUCT 	DELDOT ELECTRIC CONDUIT
ITMS-CON 	DELDOT ITMS CONDUIT

IDENTIFIERS	
FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	AB C
ABANDON BY OTHERS	AB O
ADJUST BY CONTRACTOR	A C
ADJUST BY OTHERS	A O
BEST MANAGEMENT PRACTICE	BMP XXX
BUS STOP PAD / TYPE	BSP X
BUS STOP WITH SHELTER PAD / TYPE	BSP2 X
CONCRETE SAFETY BARRIER	B XXX
CONVERT TO JUNCTION BOX	CB XXX
CONVERT TO DRAINAGE MANHOLE	CMH XXX
DO NOT DISTURB	DND O
ENERGY DISSIPATOR	ED XXX
FILL WITH FLOWABLE FILL	FF C
LANDSCAPE PLANTINGS	LS XXX
PEDESTRIAN CONNECTION / TYPE	PC XX
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	PC-W XXX
RELOCATE BY CONTRACTOR	RL C
RELOCATE BY OTHERS	RL O
RELOCATE BY PROPERTY OWNER	RL PO
REMOVE BY CONTRACTOR	RM C
REMOVE BY OTHERS	RM O
REMOVE BY TRAFFIC CONTRACTOR	RM TC
RIGHT-OF-WAY MONUMENT	M XXX

UTILITY COMPANY FACILITIES	
CN-E 	CITY OF NEWARK - ELECTRIC
CN-S 	CITY OF NEWARK - SEWER
CN-W 	CITY OF NEWARK - WATER
COM-C 	COMCAST - CABLE
COM-C-OH 	COMCAST CABLE - OVERHEAD
COM-FO 	COMCAST - FIBER OPTIC
DP-E 	DELMARVA POWER - ELECTRIC
DP-E-OH 	DELMARVA POWER - ELECTRIC - OVERHEAD
DP-G 	DELMARVA POWER - GAS
ELK-G 	ELKTON - GAS
ESNG-G 	EASTERN SHORE NATURAL GAS - GAS
FT-C 	FIBERTECH - FIBER OPTIC - OVERHEAD
GO-FO-OH 	GORE - FIBER OPTIC - OVERHEAD
LVL3-FO 	LEVEL 3 - FIBER OPTIC
SS-PRV 	SANITARY SEWER - PRIVATE
SZ-W 	SUEZ WATER - WATER
UNITI-FO 	UNITI - FIBER OPTIC - UNDERGROUND
UNITI-FO-OH 	UNITI - FIBER OPTIC - OVERHEAD
UNK (D) 	UNKNOWN - (QUALITY LEVEL D)
VER-C 	VERIZON - CABLE
VER-C-OH 	VERIZON CABLE - OVERHEAD
VER-F-OH 	VERIZON FIBER - OVERHEAD
VER-FO 	VERIZON FIBER OPTIC - UNDERGROUND
WND-FO 	WINDSTREAM - FIBER OPTIC

ADDENDA / REVISIONS

NOT TO SCALE

ELKTON ROAD  
LANDSCAPING

CONTRACT T202204401	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S.RASMUSSEN
	CHECKED BY: B.HERB

LEGEND

SECTION JMT
SHEET NO. 4

## GENERAL NOTES

- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED JUNE, 2022 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2022.
- ELECTRONIC DESIGN DATA FILES THAT WILL BE MADE AVAILABLE TO THE BIDDERS INCLUDE:

( X )	NONE
( )	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
( )	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D TRIANGLES REPRESENTING THE EXISTING SURFACE.
( )	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D FEATURE LINES FOR THE PROPOSED DESIGN. 3D FEATURE LINES ARE FOR THE PROPOSED TOP SURFACE ELEVATION ONLY.

NOTE: THE DOCUMENT ENTITLED "ELECTRONIC FILE SHARING RELEASE" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

NOTE: THERE MAY BE SOME AREAS OF THE PROJECT NOT INCLUDED IN THE ELECTRONIC DESIGN DATA FILE(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DESIGN DATA FILE AND DETERMINE THE LIMITS OF THE PROJECT INCLUDED.

- PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

( )	CROSS SECTIONS
( )	RIGHT-OF-WAY PLANS

## PROJECT NOTES

### SECTION 100

- ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AERIAL VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.
- NIGHT WORK IS NOT PERMITTED ON THIS PROJECT UNLESS THE CONTRACTOR OBTAINS: APPROVAL FROM THE ENGINEER, ACCEPTABLE RESPONSES ON NIGHT WORK SURVEYS, AND ACCEPTANCE FROM THE MUNICIPALITY. METHOD AND FORMAT OF NIGHT WORK SURVEYS WILL BE PROVIDED BY THE ENGINEER UPON REQUEST. NIGHT WORK, SURVEYS, AND COORDINATION WITH MUNICIPALITIES IS NOT COMPENSABLE AND THE TIME TO COMPLETE THE SURVEYS IS NOT EXCUSABLE.

### SECTION 900

- THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

## MISCELLANEOUS

- THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT\_DETOURS@DELAWARE.GOV AT LEAST 14 DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION, AND DOT\_DTC\_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY, PLEASE CONTACT DTC'S CHIEF SCHEDULER AT 302-576-6019.
- ANY STAGING AND/OR STOCKPILE AREA(S) OUTSIDE THE PROJECT'S LIMIT OF CONSTRUCTION (LOC) THAT INDIVIDUALLY OR CUMULATIVELY ARE LARGER THAN 10,000 SQUARE FEET, MUST BE APPROVED BY DELDOT'S ARCHAEOLOGIST. CONTACT THE CONSTRUCTION AREA ENGINEER WHO WILL COORDINATE WITH DELDOT'S ARCHAEOLOGIST.

WITHIN 30 DAYS, DELDOT WILL:

- APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S);
- REJECT THE REQUEST; OR
- PERFORM AN ARCHAEOLOGICAL SURVEY TO DETERMINE WHETHER TO APPROVE OR REJECT THE REQUEST, WHICH MAY TAKE UP TO 3 MONTHS. IF AN ARCHAEOLOGICAL SURVEY IS NECESSARY, DELDOT OR A CONSULTANT ON ITS BEHALF WILL UNDERTAKE THE SURVEY.

## LANDSCAPING

- KEEP THE EXISTING SHARED USE PATH OPEN AND CLEAR OF DEBRIS AT ALL TIMES.
- RESTORE ALL AREAS USED FOR STAGING AND TO PERFORM LANDSCAPING WORK TO ITS ORIGINAL CONDITION, INCLUDING THE ACCESS TO AND THE PLANTING LOCATIONS ON CITY OF NEWARK PARKS AND RECREATION PROPERTY. IF THE AREA IS UNPAVED, RE-GRADE, TOPSOIL, SEED AND MULCH IN ACCORDANCE WITH DELDOT STANDARDS TO THE ACCEPTANCE OF THE ENGINEER. ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING, LANDSCAPING WORK AND ACCESS AREAS SHALL BE AT THE CONTRACTOR'S EXPENSE. ANY DAMAGE TO THE SHARED USE PATH OR ANY OF ITS ITEMS SUCH AS, BUT NOT LIMITED TO, BOLLARDS, SIGNS, STRIPING, ETC. SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO COMMENCING WORK, CONTRACTOR AND ENGINEER SHALL INSPECT CURB, SIDEWALK AND CURB RAMPS WITHIN LIMIT OF CONSTRUCTION. ALL COSTS TO REPAIR ITEMS CRACKED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN KIND AT THE CONTRACTOR'S EXPENSE.

- INSTALLATION AND MAINTENANCE OF THE LANDSCAPE PLANTINGS ASSOCIATED WITH THIS PROJECT WILL BE AS FOLLOWS:

A. WITHIN ELKTON ROAD PROJECT LIMITS: THE CONTRACTOR WILL PURCHASE, INSTALL, AND WARRANTY ALL PLANT MATERIAL WITHIN THE PROJECT LIMITS. THE CITY WILL INSPECT THE TREE PLANTING AND MONITOR THE WATERING NEEDS OF THE PLANT MATERIAL IMMEDIATELY AFTER INSTALLATION AND WILL DIRECT THE CONTRACTOR WHEN ADDITIONAL WATERING IS NECESSARY. WATERING QUANTITIES ARE CALCULATED AS PER DELDOT STANDARD SPECIFICATION 911.2.9 AND PROVIDE FOR 10 WATERING VISITS DURING THE WARRANTY PERIOD. THE CONTRACTOR MUST BE ON-SITE WITHIN 48 HOURS TO PERFORM THE INITIAL WATERING ON A WEEKDAY (M-F) BETWEEN THE HOURS OF 7:30 AM AND 3:30 PM OF RECEIVING NOTIFICATION FROM THE CITY AND MUST PROVIDE ACCURATE DATE AND TIME OF THEIR ARRIVAL ON-SITE.

B. CITY-OWNED MITIGATION SITES: THE CONTRACTOR WILL PURCHASE AND INSTALL ALL PLANT MATERIAL ON ANY CITY-OWNED MITIGATION SITE, WATER ONE TIME AT INSTALLATION, AND THEN THE CITY WILL ASSUME THE MAINTENANCE RESPONSIBILITIES IMMEDIATELY AFTER THE INITIAL WATERING. CONTRACTOR TO PROVIDE WATERING BAGS FOR TREES INSTALLED IN FOLK MEMORIAL PARK AND DEVON PARK; COST INCIDENTAL TO ITEM 911000.

- WHERE DISCREPANCIES OCCUR BETWEEN THE PLANS AND THE PLANT SCHEDULE, THE PLANS SHALL GOVERN.
- CONTACT 'MISS UTILITY' TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO THE INSTALLATION OF PLANT MATERIAL.
- THE LANDSCAPE SUPERVISOR OVERSEEING ALL PLANTING OPERATIONS SHALL BE KNOWLEDGEABLE IN HORTICULTURAL PRACTICES AND HAVE A MINIMUM OF 2 YEARS EXPERIENCE IN SUPERVISING SIMILAR LANDSCAPE INSTALLATIONS.
- ALL TREES SHALL HAVE A 6 FOOT DIAMETER MULCH RING. ALL INDIVIDUAL SHRUBS SHALL HAVE A 4 FOOT DIAMETER MULCH RING.
- DO NOT INSTALL PLANT MATERIAL DIRECTLY IN FRONT OF ROADWAY SIGN SIGHT LINES.
- ALL TREES MUST BE PLANTED BEHIND THE CLEAR ZONE (CZ) LABELED ON THE PLANS.
- ALL TREES SHALL HAVE A STRAIGHT TRUNK AND A SINGLE LEADER UNLESS SPECIFIED AS MULTI-STEM.
- ALL EXISTING TREES TO REMAIN THAT ARE DISTURBED OR DAMAGED DURING CONSTRUCTION AS DETERMINED BY THE ENGINEER SHALL HAVE THE DAMAGE ASSESSED AND CORRECTED BY AN I.S.A. CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.
- TREES:
  - MAINTAIN A MINIMUM 7 FOOT HORIZONTAL OFFSET FROM CENTERLINES OF DRAINAGE SWALES, GUARDRAILS, AND FENCES UNLESS OTHERWISE DIMENSIONED ON THE PLANS. MAINTAIN A MINIMUM 4 FOOT HORIZONTAL OFFSET FROM EDGE OF SHARED USE PATH OR SIDEWALK.
  - MAINTAIN A MINIMUM 15 FOOT HORIZONTAL OFFSET FROM OVERHEAD UTILITY LINES FOR ALL REFORESTATION AREAS. TREES SHOWN ON THE PLANS BENEATH OVERHEAD UTILITY LINES ARE MINOR TREES AND ARE GENERALLY APPROVED BY UTILITY COMPANIES FOR INSTALLATION UNDER OVERHEAD LINES.
  - MAINTAIN A MINIMUM 5 FOOT HORIZONTAL OFFSET FROM UNDERGROUND UTILITIES (GAS, WATER, SANITARY SEWER, ELECTRIC, ETC.).
- WATER IN ACCORDANCE WITH SECTION 911 AND AS DIRECTED BY THE CITY OF NEWARK PARKS AND RECREATION REPRESENTATIVE.
- KEEP CONSTRUCTION DEBRIS FROM ENTERING ADJACENT WATERWAYS OR WETLANDS. ANY DEBRIS THAT ENTERS THOSE AREAS SHALL BE REMOVED IMMEDIATELY.
- THE DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDOR, WETLAND, SURFACE WATER, OR DRAINAGE FACILITY IS PROHIBITED.
- IF UNFORESEEN CONFLICTS ARISE AND THE TREE CANNOT BE PLANTED IN THE ORIGINAL LOCATION, A NEW LOCATION SHOULD BE DETERMINED AS DIRECTED BY THE ENGINEER.

ADDENDA / REVISIONS

NOT TO SCALE

ELKTON ROAD  
LANDSCAPING

CONTRACT

T202204401

COUNTY

NEW CASTLE

BRIDGE NO.

N/A

DESIGNED BY: S.RASMUSSEN

CHECKED BY: B.HERB

NOTES

SECTION

JMT

SHEET NO.

5

# GENERAL EROSION AND SEDIMENT CONTROL (E&S) NOTES

1. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. PLAN APPROVAL IS VALID FOR A ONE YEAR PERIOD BEGINNING ON THE DATE OF THE STORMWATER ENGINEER'S SIGNATURE. ANY DEVIATIONS TO THE SWPPP NEED APPROVAL FROM THE ENGINEER.

*Steven Sisson*  
 DELOT STORMWATER ENGINEER 5/6/2024  
 DATE

\*I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.\*

AMOUNT OF DISTURBED AREA FOR THE PROJECT	1.7 AC
ADDED IMPERVIOUS FOR THE PROJECT	0.00 SF
HUC-10 WATERSHED	CHRISTINA RIVER

- ASSIGN A RESPONSIBLE PERSON TO BE ON SITE DURING ALL EARTH DISTURBING ACTIVITIES AND BE AN ACTIVE DNREC BLUE CARD HOLDER AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS (DSSR). BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.
- A SOIL STOCKPILE, AS DESCRIBED IN DELDOT STANDARD SPECIFICATIONS AND DEFINED IN THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, IS ANY LOCATION WITHIN THE LIMITS OF CONSTRUCTION WHERE A TEMPORARY DEPOSIT OF EXCAVATED SOIL IS BEING RESERVED FOR FUTURE USE. A SOIL STOCKPILE SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A STORM DRAIN INLET, OPEN CHANNEL, WETLAND, OR WATERBODY. A REQUEST MAY BE MADE TO THE ENGINEER TO PERMIT LOCATING A SOIL STOCKPILE LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL. UPON APPROVAL, IF ANY PART OF A SOIL STOCKPILE IS LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL, INSTALL A SUPER SILT FENCE PERIMETER TO PROTECT THE SOIL STOCKPILE. THE SUPER SILT FENCE MUST BE CONSTRUCTED IN ACCORDANCE WITH 905.3.B.3 OF THE STANDARD SPECIFICATIONS. THE COST FOR INSTALLATION AND MAINTENANCE OF THE STOCKPILE SUPER SILT FENCE IS INCIDENTAL TO THE CONTRACT.
- PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF FROM LEAVING THE SITE. CHECK PERIMETER CONTROLS DAILY AND ADJUST OR REPAIR TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. REMOVE ACCUMULATED SEDIMENT BEFORE IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE ENGINEER.
- ANY SEDIMENT LADEN DISCHARGE LEAVING THE LIMIT OF CONSTRUCTION SHALL IMMEDIATELY BE ADDRESSED THROUGH BEST AVAILABLE TECHNOLOGIES TO CONTROL ANY FURTHER SEDIMENT LADEN DISCHARGE. REMEDIATION MAY INCLUDE STANDARD E&S PRACTICES OR OTHER METHODS AS APPROVED BY THE ENGINEER.
- NO MORE THAN 1 ACRE MAY BE DISTURBED AT ANY TIME. DISTURBANCE OF A SECOND ACRE SECTION MAY NOT PROCEED UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE FIRST ACRE SECTION IS ACCOMPLISHED AS APPROVED BY THE ENGINEER.
- PLACE SILT FENCE (ITEM - 905001) IN LOCATIONS WITH POTENTIAL SEDIMENT RUNOFF DURING TREE PIT EXCAVATION AND AS DIRECTED BY THE ENGINEER.
- THIS PROJECT IS A BREAKOUT PROJECT FROM CONTRACT T201504401, ELKTON ROAD, MD LINE TO CASHO MILL ROAD. STORMWATER ENGINEER SIGNED CONTRACT T201504401 PLANS ON 08/28/2019.

# GENERAL MOT NOTES

- MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:  
 TA-3A - WORK ON THE SHOULDER OF A MULTI-LANE, DIVIDED HIGHWAY  
 TA-28 - SIDEWALK DETOUR OR DIVERSION  
 TA-29 - CROSSWALK CLOSURES AND PEDESTRIAN DETOURS  
 TA-33 - STATIONARY LANE CLOSURE ON A MULTI-LANE DIVIDED HIGHWAY  
 THE CONTRACTOR SHALL ADD THE BICYCLE IN LANE WARNING SIGN (W11-1-DE) TO THE TYPICAL APPLICATION STACK DURING WORK THAT RESTRICTS USE OF EXISTING SHOULDERS OR BIKE LANES.  
  
 INSTALL PEDESTRIAN CHANNELIZING BARRICADE SYSTEM (SEE SUP TYPICAL APPLICATION DETAIL) ALONG THE SHARED USE PATH AS NECESSARY TO DELINEATE THE WORK AREA. THE PEDESTRIAN CHANNELIZING BARRICADE SYSTEM SHALL BE INSTALLED SUCH THAT A 8 FOOT WIDE ACCESSIBLE AREA IS MAINTAINED FOR PEDESTRIANS AND BICYCLISTS OR PEDESTRIAN FLAGGERS PROVIDED AS DIRECTED BY THE ENGINEER.
- THROUGH LANE CLOSURES ALONG OTTS CHAPEL ROAD, CHRISTINA PARKWAY (SR4), AND OLD PAPER MILL ROAD ARE NOT PERMITTED AT ANY TIME.
- UNLESS NOTED ELSEWHERE THE FOLLOWING LANE CLOSURE MATRIX INDICATES THE ALLOWABLE WORK TIMES FOR TURN LANE AND TRAVEL LANE CLOSURES ALONG ELKTON ROAD:

ALLOWABLE HOURS FOR LANE CLOSURES ON ELKTON ROAD INCLUDING TURN LANES

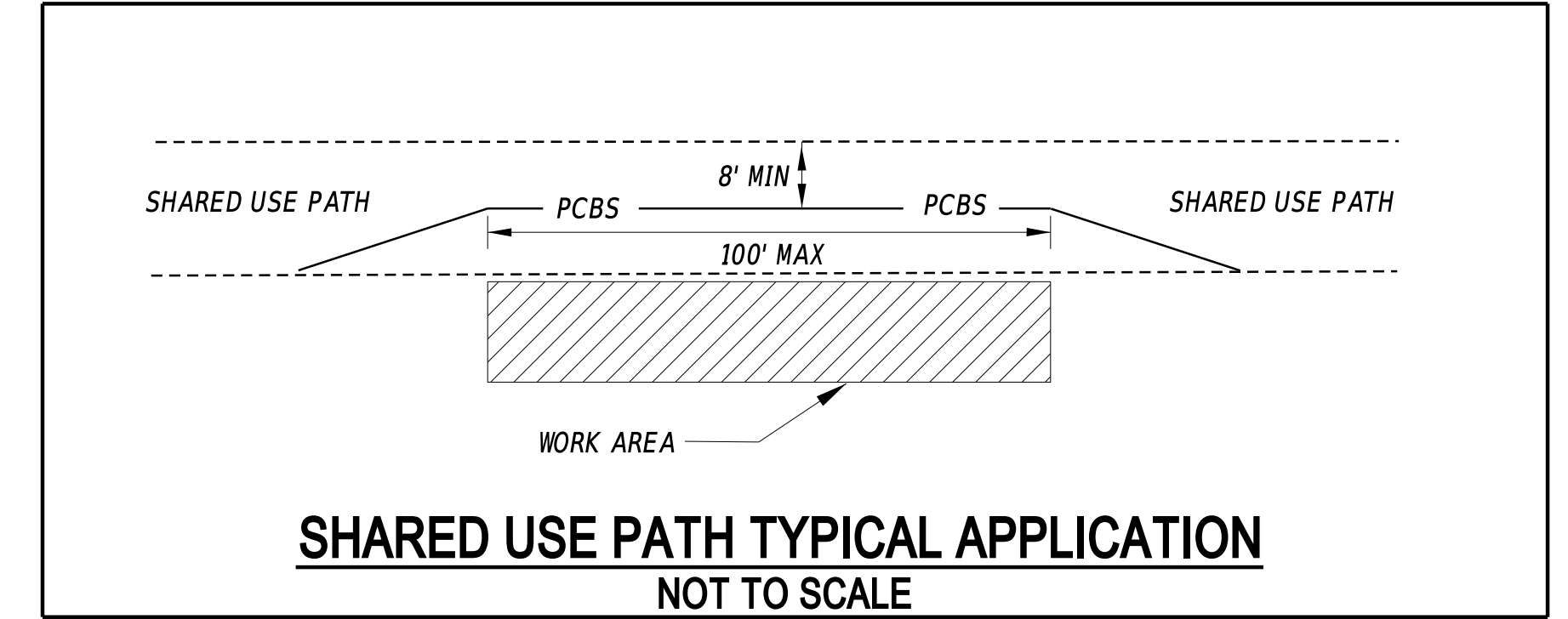
	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
SUNDAY																								
MONDAY																								
TUESDAY																								
WEDNESDAY																								
THURSDAY																								
FRIDAY																								
SATURDAY																								

LANE CLOSED  
 ALL LANES OPEN

4. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

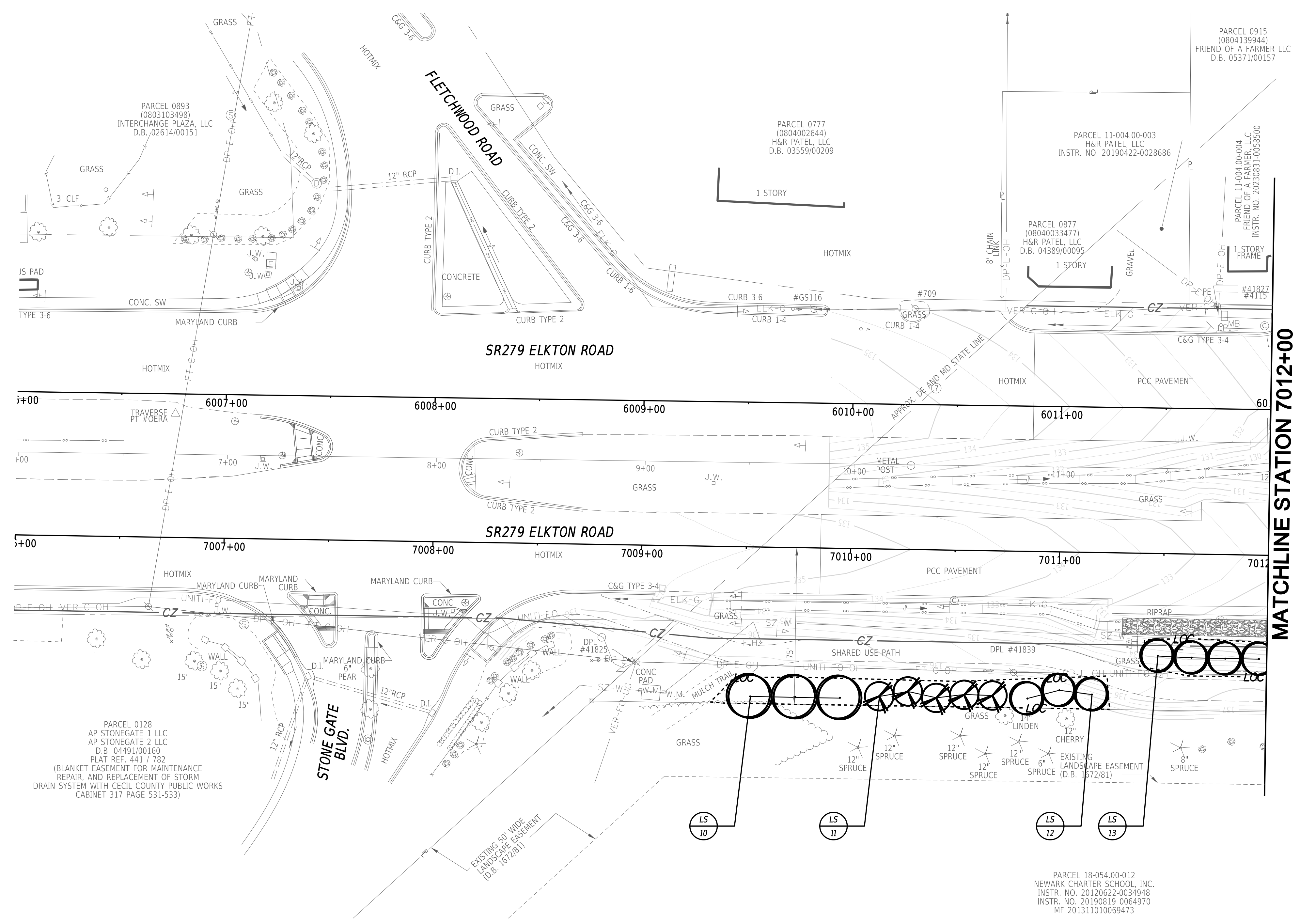
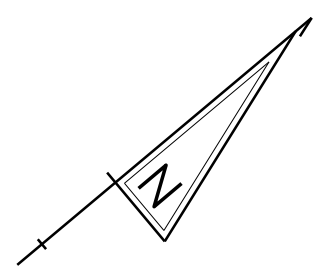
( X )	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
( )	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT AND THAT PERSON'S SOLE RESPONSIBILITY SHALL BE THE MANAGEMENT AND SUPERVISION OF THE PROJECT'S TEMPORARY TRAFFIC CONTROL ACTIVITIES. THIS PERSON SHALL NOT HAVE ANY OTHER ROLE ON THE PROJECT. RESPONSIBILITIES AND REQUIREMENTS OF THE ATSSA SUPERVISOR ARE DEFINED IN SECTION 812 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801500.

- ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801500 UNLESS OTHERWISE SPECIFIED IN THE PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS.
- THE CONTRACTOR SHALL PROVIDE ONE TRAFFIC OFFICER FOR ANY OPERATION WHERE AN EXISTING SIGNALIZED INTERSECTION IS PLACED IN FLASH MODE. THE TRAFFIC OFFICER IS THE ONLY INDIVIDUAL THAT CAN PLACE A TRAFFIC SIGNAL IN FLASH MODE, AND THE TRAFFIC OFFICER SHALL STAY ON LOCATION UNTIL THE SIGNAL IS PLACED BACK IN STOP-AND-GO OPERATION IN ACCORDANCE WITH DELDOT'S TEMPORARY TRAFFIC CONTROL WITHIN INTERSECTIONS MEMORANDUM (WWW.MUTCD.DELDOT.GOV). TRAFFIC OFFICERS TO BE PAID UNDER ITEM 801500, MAINTENANCE OF TRAFFIC, ALL INCLUSIVE.
- ADDITIONAL LANE RESTRICTIONS WILL BE ENFORCED BY THE ENGINEER, IN CONSULTATION WITH THE DISTRICT SAFETY OFFICER, TO ACCOMMODATE PERMITTED PLANNED SPECIAL EVENTS THROUGH THE WORK ZONE. KNOWN EVENTS THAT COULD IMPACT THIS PROJECT INCLUDE:  
 - UNIVERSITY OF DELAWARE HOME FOOTBALL GAME WEEKENDS (AUGUST 29, SEPTEMBER 21, 28, OCTOBER 12, 26, NOVEMBER 9, 16, 2024)  
 - UNIVERSITY OF DELAWARE MOVE IN WEEKEND (AUGUST 23, 2024)  
 - UNIVERSITY OF DELAWARE GRADUATION WEEKEND (MAY 24, 2024)  
 THE ENGINEER WILL NOTIFY THE CONTRACTOR OF ADDITIONAL LANE RESTRICTIONS TWO WEEKS PRIOR TO THE START OF THE RESTRICTION.
- ALL VEHICLES, EQUIPMENT AND MACHINERY ARE PROHIBITED ON SHARED USE PATH OR SIDEWALKS AT ANY TIME.
- REMOVE ALL TRAFFIC CONTROL DEVICES AT THE END OF EACH DAY.
- THE COST OF MAINTAINING AND/OR RELOCATING ALL TEMPORARY TRAFFIC CONTROL MATERIALS/ITEMS SHALL BE INCLUDED UNDER ITEM 801500, MAINTENANCE OF TRAFFIC, ALL INCLUSIVE.



PLOTTED BY: LBERZINA DATE: 4/14/2024  
 FILE LOCATION: Q:\INDE\14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\PN.DGN I SHEET: PN02 1

ADDENDA / REVISIONS		NOT TO SCALE	ELKTON ROAD LANDSCAPING	CONTRACT	BRIDGE NO.	N/A	NOTES	SECTION
				T202204401	DESIGNED BY:	S.RASMUSSEN		JMT
		COUNTY	CHECKED BY:	B.HERB	SHEET NO.			
		NEW CASTLE			6			



MATCHLINE STATION 7012+00

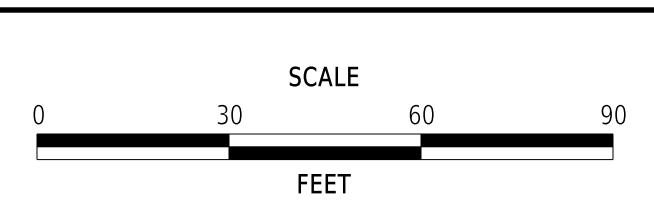
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
10	<i>Amelanchier laevis</i>	3
11	<i>Ilex opaca</i>	5
12	<i>Magnolia stellata</i>	3
13	<i>Magnolia stellata</i>	4

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE\14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS01 ]

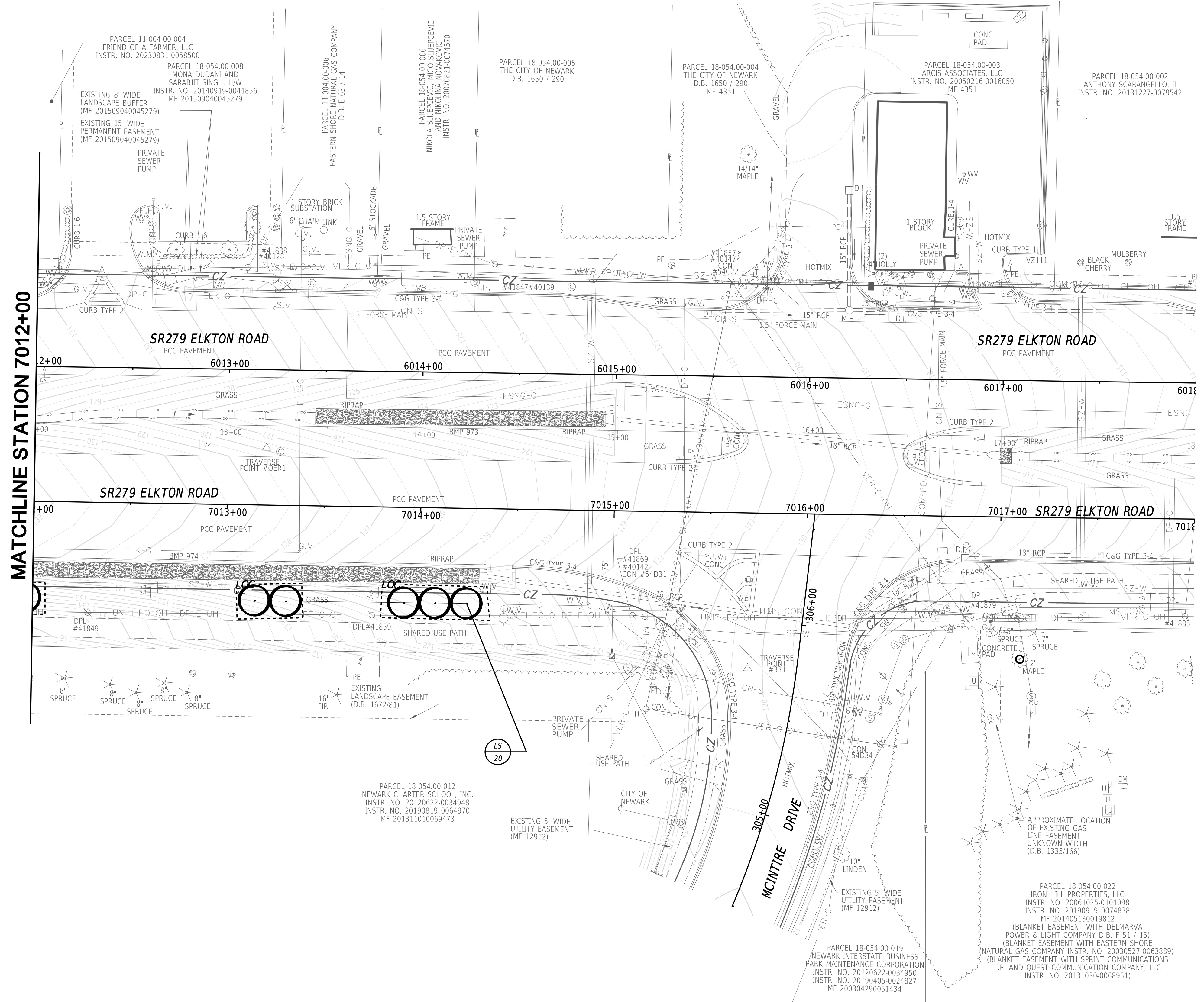
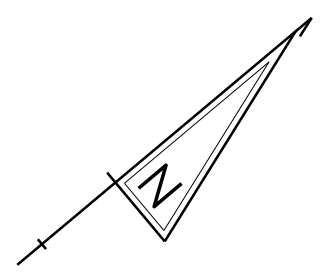
ADDENDA / REVISIONS



## ELKTON ROAD LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN	
SECTION	JMT
SHEET NO.	7



MATCHLINE STATION 7012+00

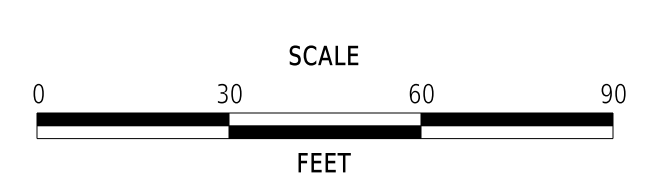
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
20	Magnolia stellata	5

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

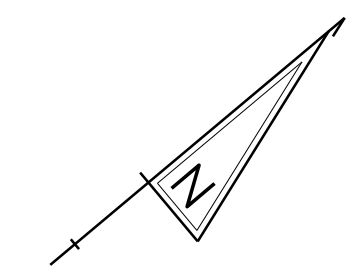
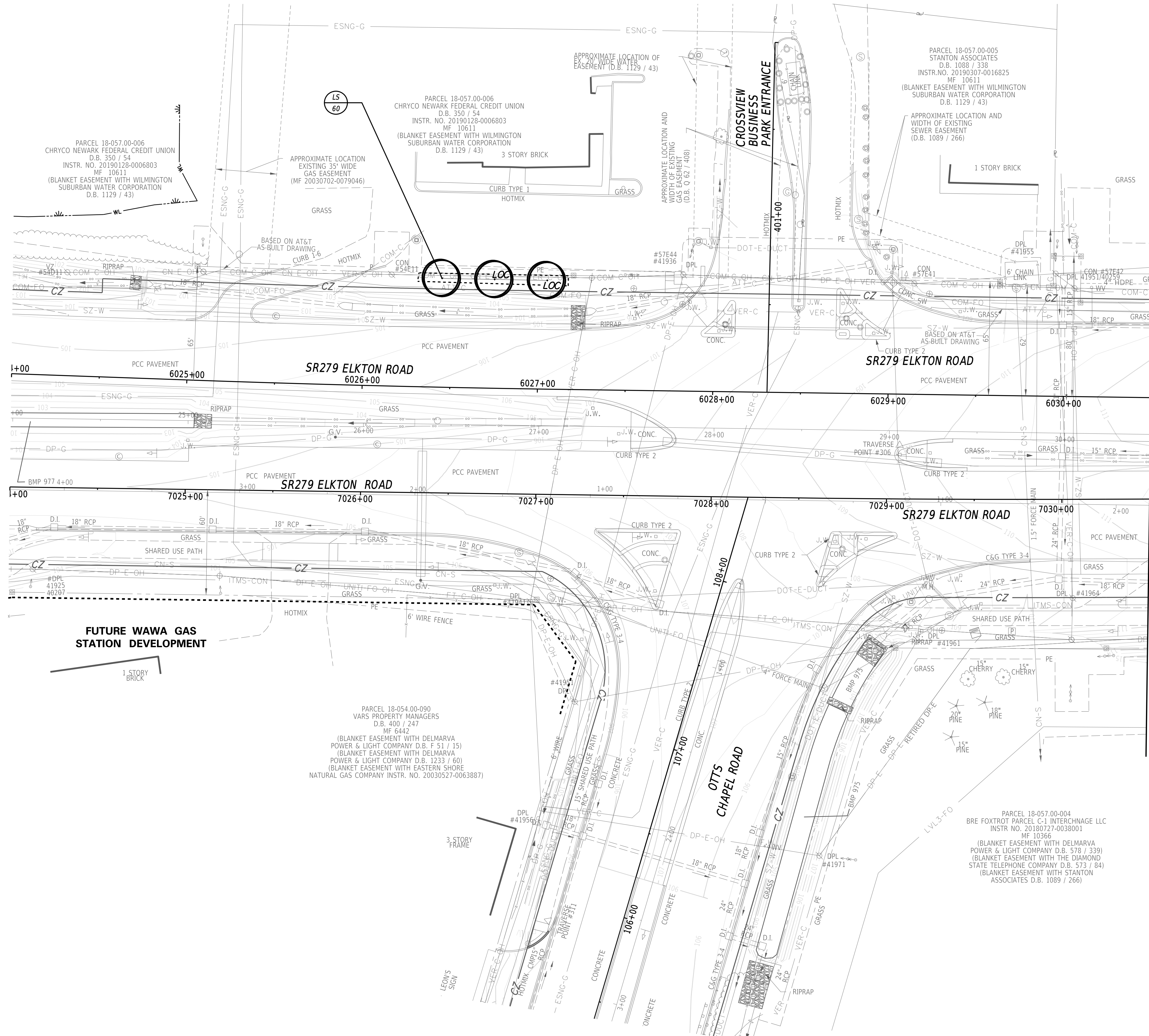
PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE\14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS02 ]

ADDENDA / REVISIONS



**ELKTON ROAD LANDSCAPING**

CONTRACT	BRIDGE NO.	N/A	SECTION
T202204401	DESIGNED BY:	S.RASMUSSEN	
COUNTY	CHECKED BY:	B.HERB	
NEW CASTLE			LANDSCAPING PLAN
			SHEET NO.
			8



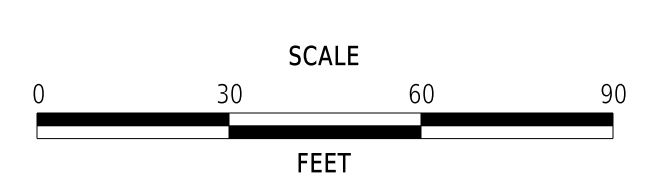
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
60	<i>Crataegus viridis</i> 'Winter King'	3

MATCHLINE STATION 7030+50

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

ADDENDA / REVISIONS

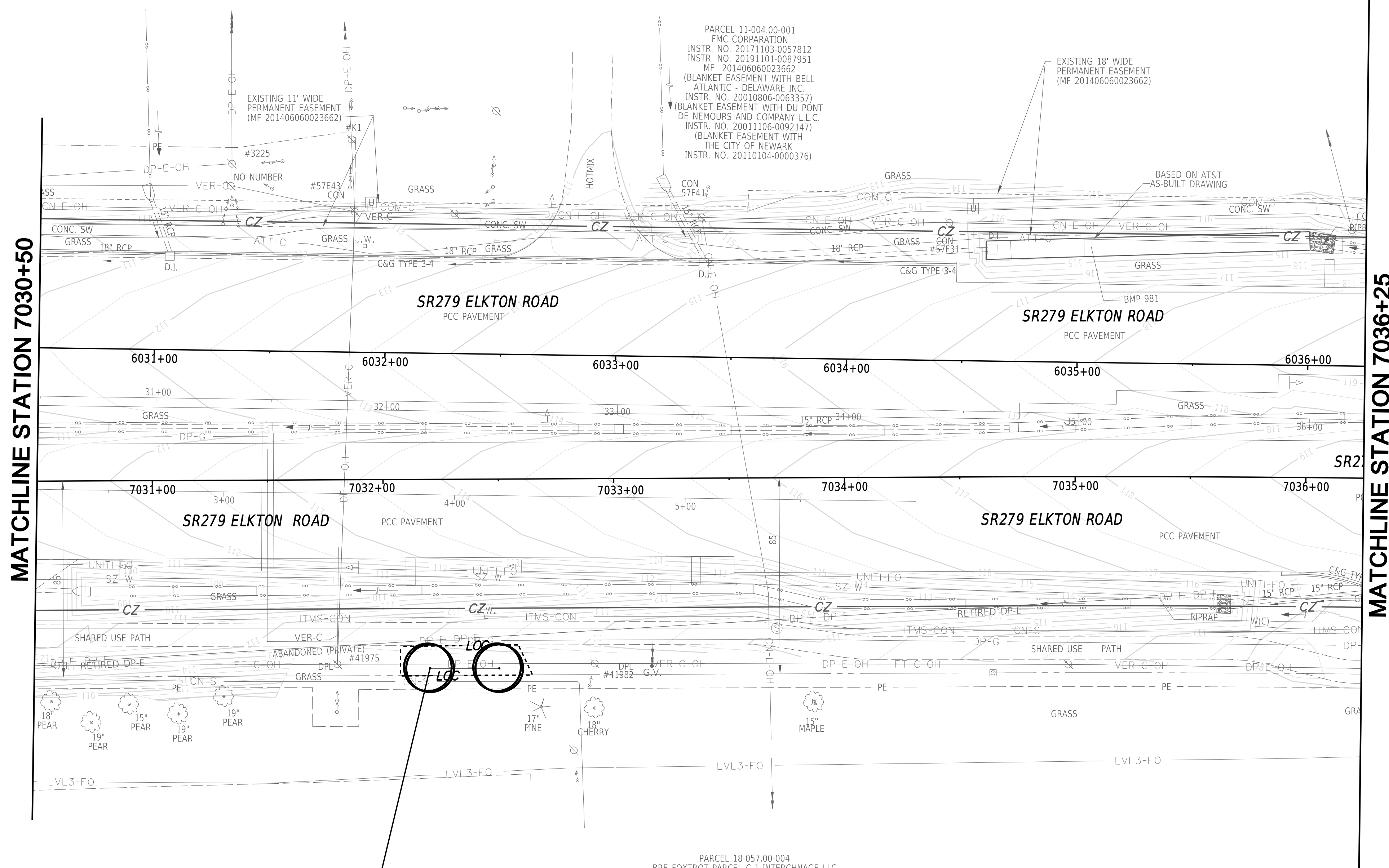
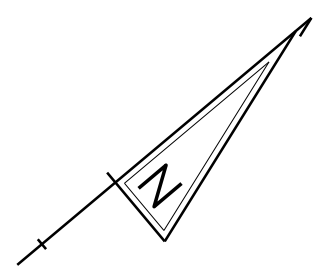


ELKTON ROAD LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN

SECTION	JMT
SHEET NO.	9



PARCEL 11-004.00-001  
 FMC CORPORATION  
 INSTR. NO. 20171103-0057812  
 INSTR. NO. 20191101-0087951  
 MF 201406060023662  
 (BLANKET EASEMENT WITH BELL ATLANTIC - DELAWARE INC.  
 INSTR. NO. 20010806-0063357)  
 (BLANKET EASEMENT WITH DU PONT DE NEMOURS AND COMPANY L.L.C.  
 INSTR. NO. 20011106-0092147)  
 (BLANKET EASEMENT WITH THE CITY OF NEWARK  
 INSTR. NO. 20110104-0000376)

EXISTING 18' WIDE PERMANENT EASEMENT (MF 201406060023662)

PARCEL 18-057.00-004  
 BRE FOXTROT PARCEL C-1 INTERCHANGE LLC  
 INSTR. NO. 20180727-0038001  
 MF 10366  
 (BLANKET EASEMENT WITH DELMARVA POWER & LIGHT COMPANY D.B. 578 / 339)  
 (BLANKET EASEMENT WITH THE DIAMOND STATE TELEPHONE COMPANY D.B. 573 / 84)  
 (BLANKET EASEMENT WITH STANTON ASSOCIATES D.B. 1089 / 266)

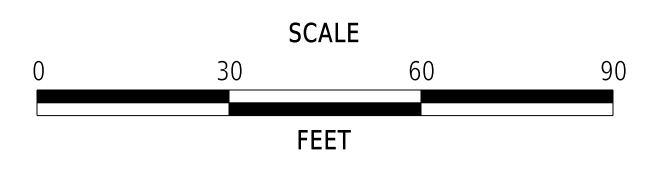
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
100	<i>Cercis canadensis</i> 'Forest Pansy'	2

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE\14-0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS07 ]

ADDENDA / REVISIONS

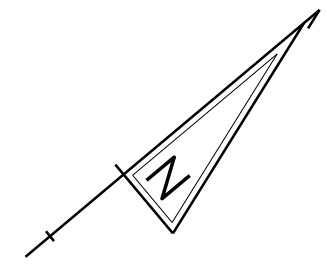


ELKTON ROAD LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN

SECTION
JMT
SHEET NO.
10



PARCEL 11-004.00-001  
 FMC CORPORATION  
 INSTR. NO. 20171103-0057812  
 INSTR. NO. 20191101-0087951  
 MF 201406060023662  
 (BLANKET EASEMENT WITH BELL  
 ATLANTIC - DELAWARE INC.  
 INSTR. NO. 20010806-0063357)  
 (BLANKET EASEMENT WITH DU PONT  
 DE NEMOURS AND COMPANY L.L.C.  
 INSTR. NO. 20011106-0092147)  
 (BLANKET EASEMENT WITH  
 THE CITY OF NEWARK  
 INSTR. NO. 20110104-0000376)

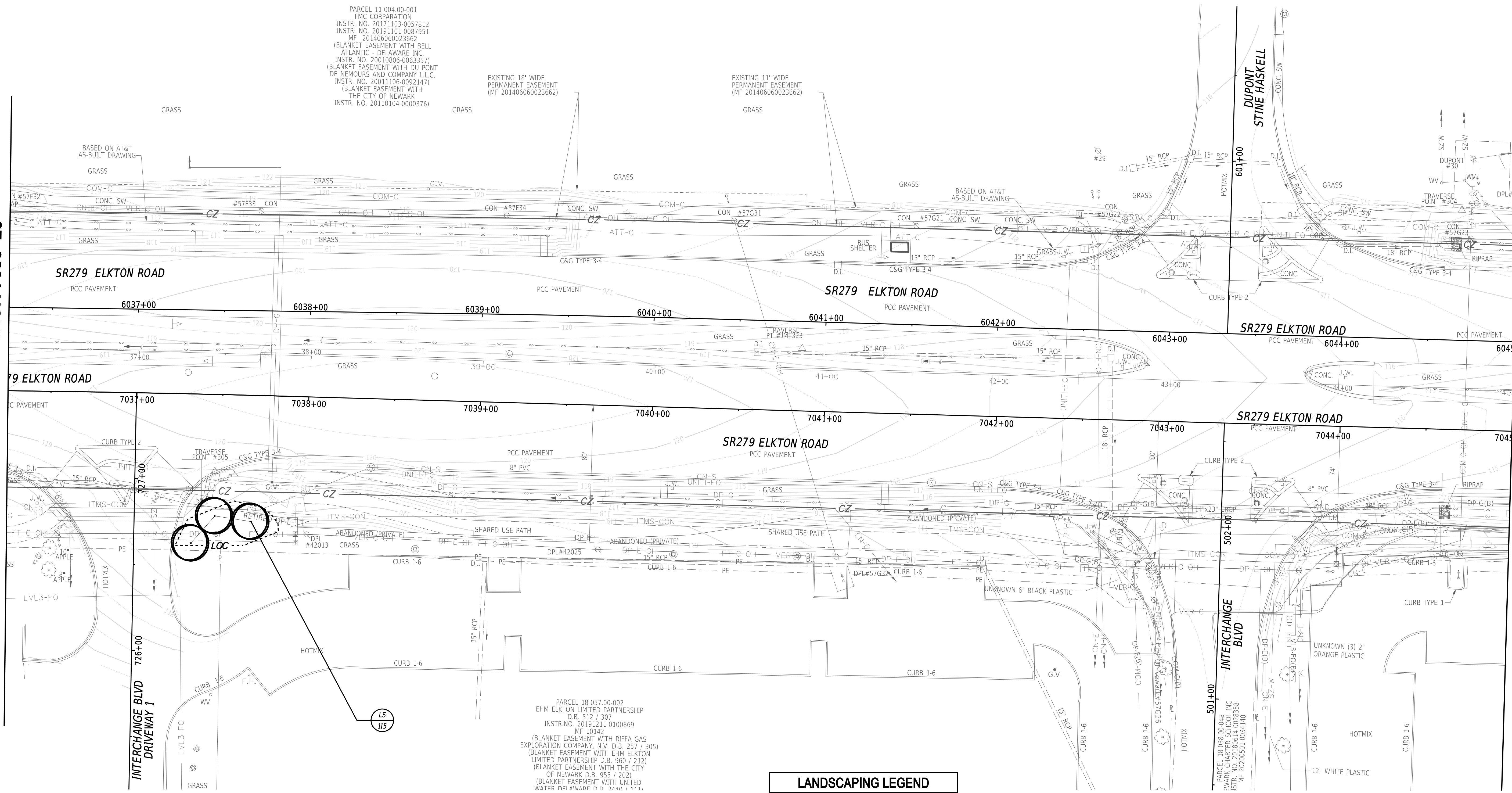
EXISTING 18' WIDE  
 PERMANENT EASEMENT  
 (MF 201406060023662)

EXISTING 11' WIDE  
 PERMANENT EASEMENT  
 (MF 201406060023662)

PARCEL 18-057.00-002  
 EHM ELKTON LIMITED PARTNERSHIP  
 D.B. 512 / 307  
 INSTR. NO. 20191211-0100869  
 MF 10142  
 (BLANKET EASEMENT WITH RIFFA GAS  
 EXPLORATION COMPANY, N.V. D.B. 257 / 305)  
 (BLANKET EASEMENT WITH EHM ELKTON  
 LIMITED PARTNERSHIP D.B. 960 / 212)  
 (BLANKET EASEMENT WITH THE CITY  
 OF NEWARK D.B. 955 / 202)  
 (BLANKET EASEMENT WITH UNITED  
 WATER DELAWARE D.B. 7400 / 111)

MATCHLINE STATION 7036+25

MATCHLINE STATION 7045+00

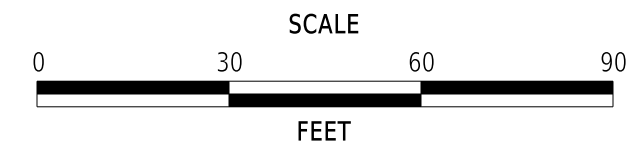


LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
115	Magnolia virginiana 'Emerald Tower'	3

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

ADDENDA / REVISIONS

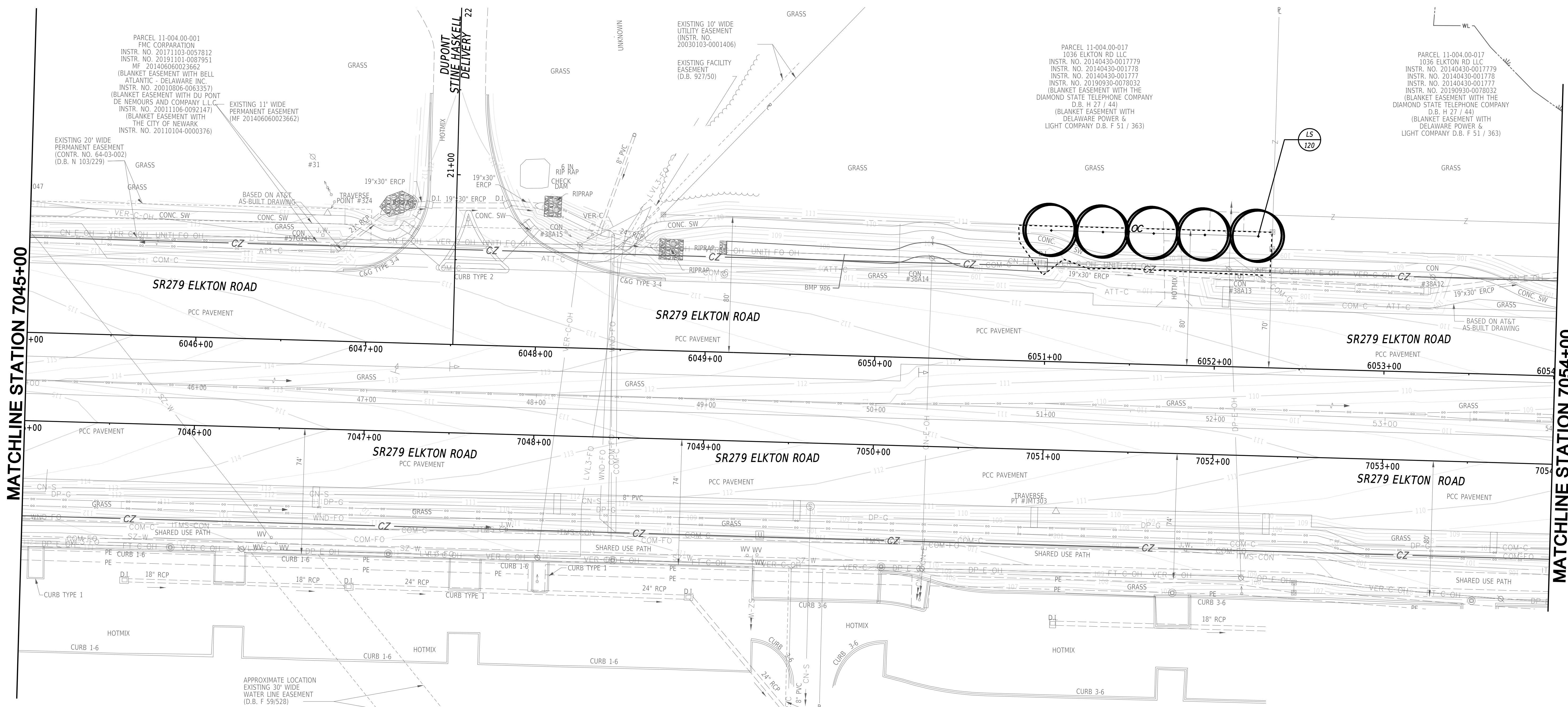
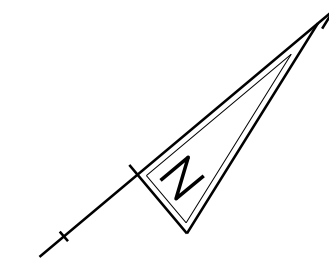


ELKTON ROAD  
 LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN

SECTION	JMT
SHEET NO.	11



LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

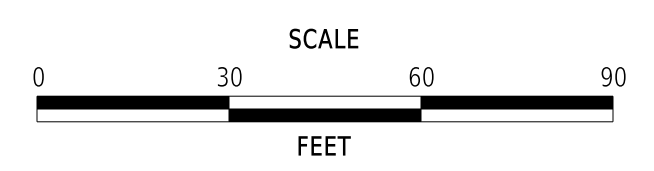
LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
120	Acer rubrum 'Red Sunset'	5

PARCEL 18-038.00-029  
900 INTERCHANGE, L.L.C.  
D.B. 1723 / 30  
INSTR. NO. 20191108-0090519  
MF 10057  
(BLANKET EASEMENT WITH RIFFA GAS  
ELPORATION COMPANY D.B. 257 / 305)  
(BLANKET EASEMENT WITH WILMINGTON  
SUBURBAN WATER CORPORATION D.B. 490 / 264)

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

PLOTTED BY: LBERZINA DATE: 6/10/2024 FILE LOCATION: Q:\INDE\14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS10 ]

ADDENDA / REVISIONS

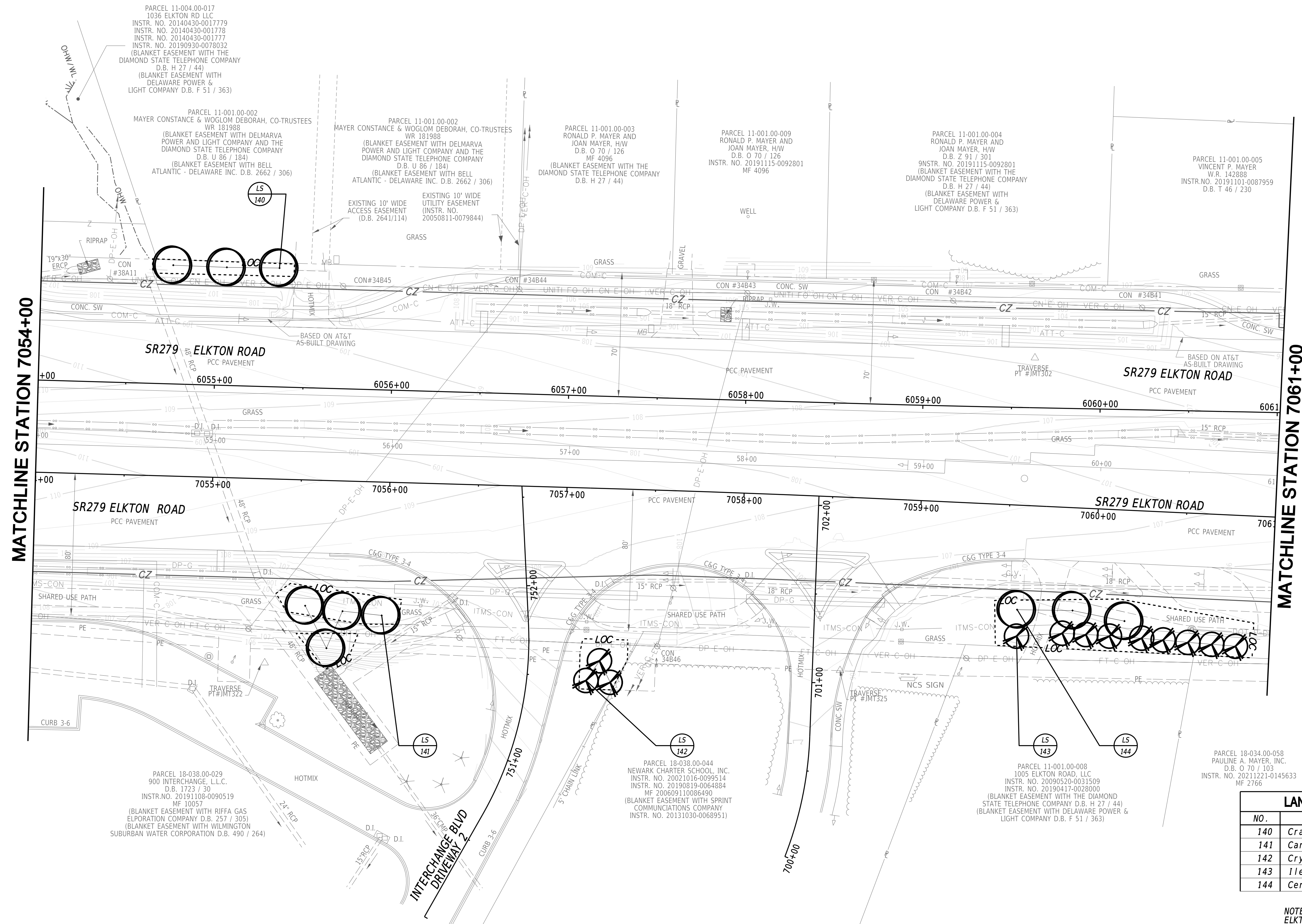
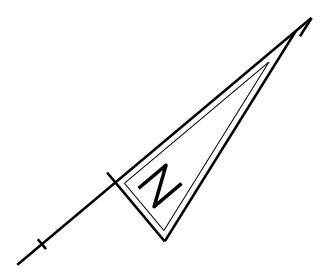


**ELKTON ROAD LANDSCAPING**

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

**LANDSCAPING PLAN**

SECTION	JMT
SHEET NO.	12



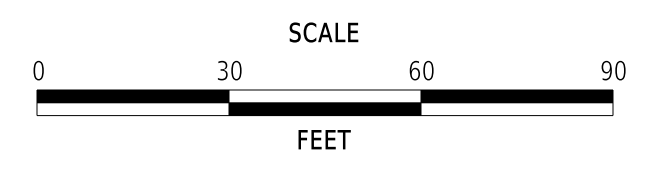
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
140	<i>Crataegus viridis</i> 'Winter King'	3
141	<i>Carpinus caroliniana</i>	4
142	<i>Cryptomeria japonica</i>	3
143	<i>Ilex opaca</i>	9
144	<i>Cercis canadensis</i> 'Forest Pansy'	3

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE\14\0659\_007\ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS11 ]

ADDENDA / REVISIONS

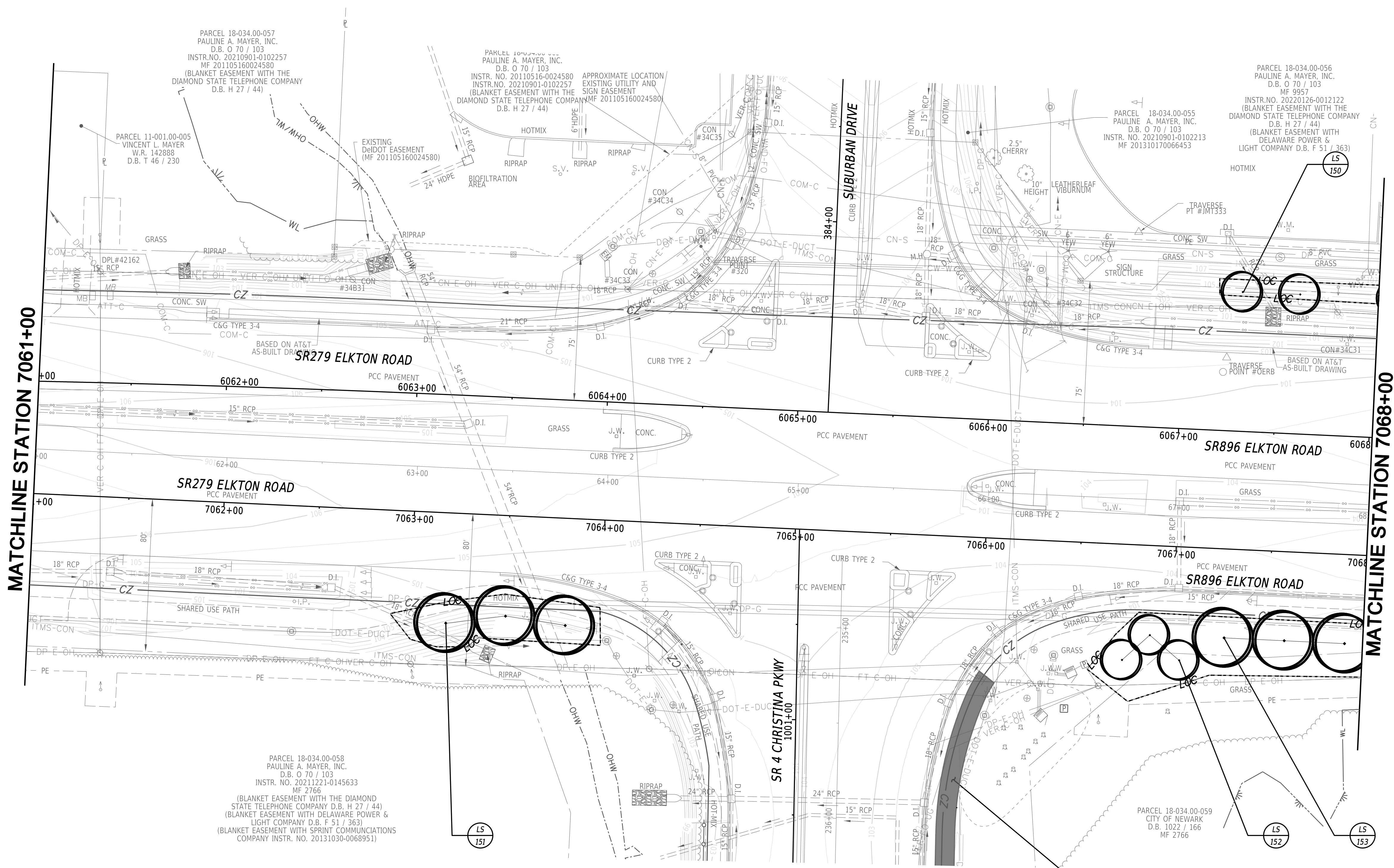
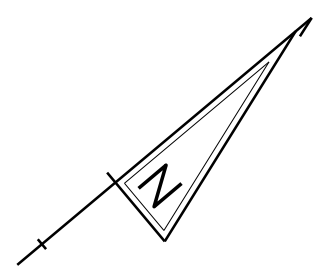


**ELKTON ROAD LANDSCAPING**

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

**LANDSCAPING PLAN**

SECTION	JMT
SHEET NO.	13



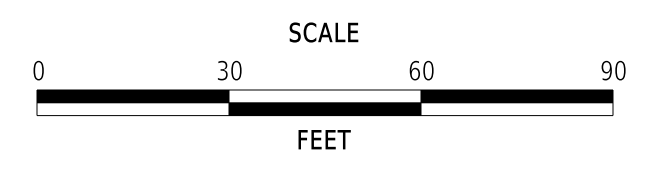
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
150	<i>Crataegus viridis</i> 'Winter King'	2
151	<i>Cladrastis kentukea</i>	3
152	<i>Amelanchier laevis</i>	3
153	<i>Oxydendrum arboreum</i>	3

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE\14\0659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS12 ]

ADDENDA / REVISIONS

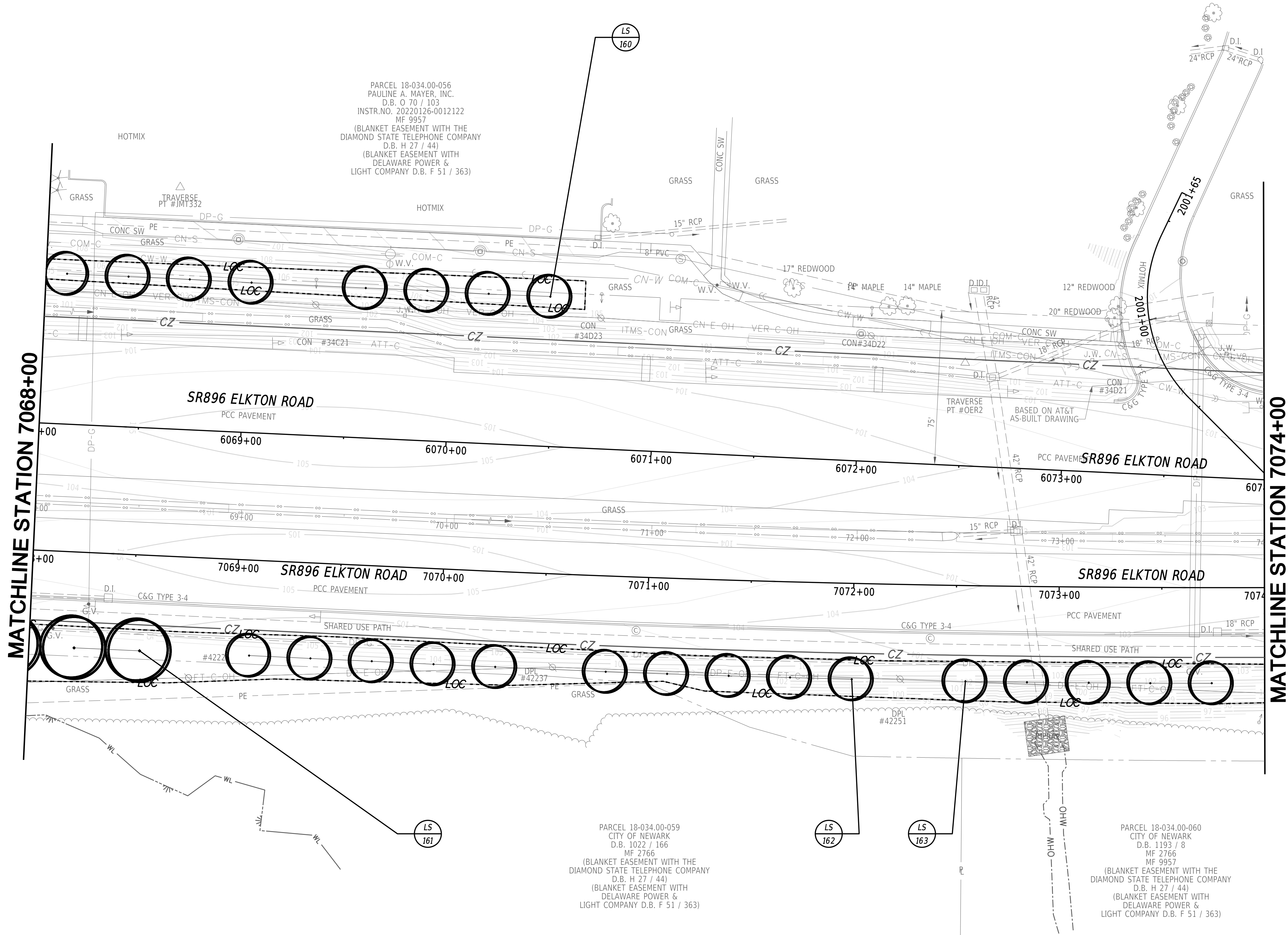
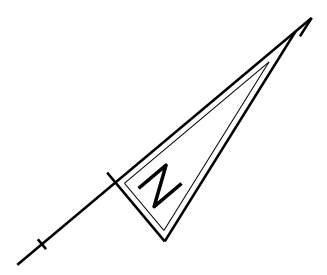


**ELKTON ROAD LANDSCAPING**

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

**LANDSCAPING PLAN**

SECTION	JMT
SHEET NO.	14



PARCEL 18-034.00-056  
 PAULINE A. MAYER, INC.  
 D.B. O 70 / 103  
 INSTR.NO. 20220126-0012122  
 MF 9957  
 (BLANKET EASEMENT WITH THE  
 DIAMOND STATE TELEPHONE COMPANY  
 D.B. H 27 / 44)  
 (BLANKET EASEMENT WITH  
 DELAWARE POWER &  
 LIGHT COMPANY D.B. F 51 / 363)

PARCEL 18-034.00-059  
 CITY OF NEWARK  
 D.B. 1022 / 166  
 MF 2766  
 (BLANKET EASEMENT WITH THE  
 DIAMOND STATE TELEPHONE COMPANY  
 D.B. H 27 / 44)  
 (BLANKET EASEMENT WITH  
 DELAWARE POWER &  
 LIGHT COMPANY D.B. F 51 / 363)

PARCEL 18-034.00-060  
 CITY OF NEWARK  
 D.B. 1193 / 8  
 MF 2766  
 MF 9957  
 (BLANKET EASEMENT WITH THE  
 DIAMOND STATE TELEPHONE COMPANY  
 D.B. H 27 / 44)  
 (BLANKET EASEMENT WITH  
 DELAWARE POWER &  
 LIGHT COMPANY D.B. F 51 / 363)

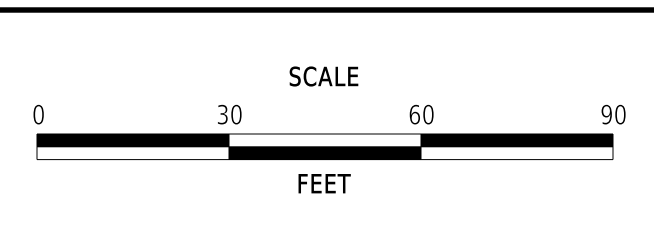
LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
160	<i>Crataegus viridis</i> 'Winter King'	8
161	<i>Oxydendrum arboreum</i>	2
162	<i>Cercis canadensis</i> 'Forest Pansy'	10
163	<i>Amelanchier laevis</i>	5

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

PLOTTED BY: LBERZINA DATE: 6/10/2024  
 FILE LOCATION: Q:\INDE\140659\_007\_ELKTON\_RD\_CASHO\_MILL\CADD\LANDSCAPE\_ARCHITECTURE\LS\_BASE.DGN [ SHEET: LS13 ]

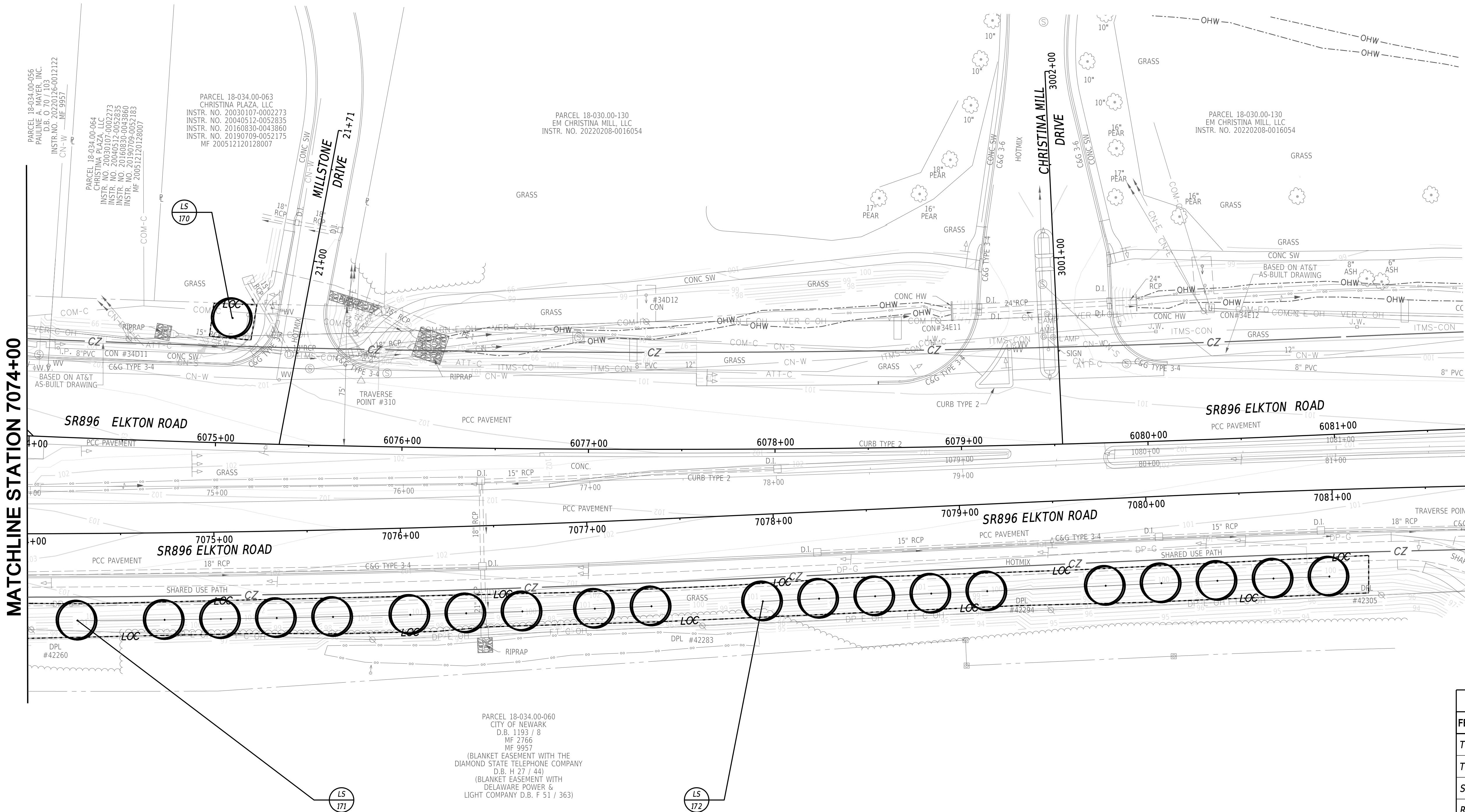
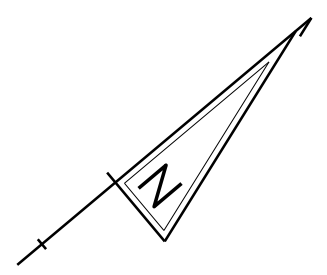
ADDENDA / REVISIONS



## ELKTON ROAD LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN	
SECTION	JMT
SHEET NO.	15

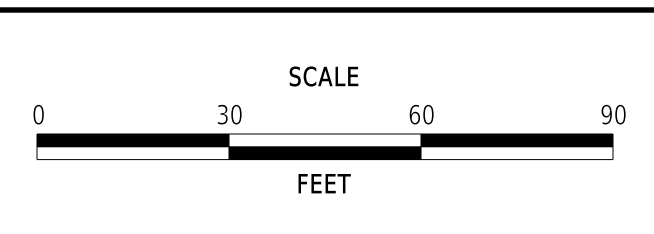


LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
170	<i>Crataegus viridis</i> 'Winter King'	1
171	<i>Amelanchier laevis</i>	10
172	<i>Lagerstroemia indica</i> 'Muskogee'	10

NOTE: PLANS DISPLAY EXISTING FEATURE LINE WORK FROM ELKTON ROAD (T201504401) CONSTRUCTION AS-BUILT PLANS.

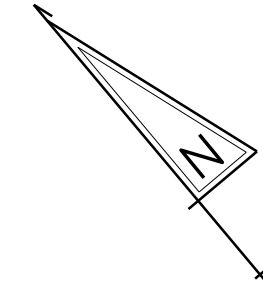
ADDENDA / REVISIONS



ELKTON ROAD LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN		SECTION
		JMT
		SHEET NO.
		16

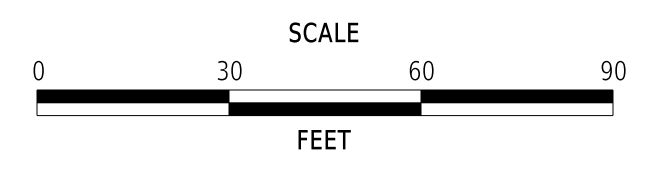


LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

**NOTES:**  
 1. ALL LANDSCAPE INSTALLATIONS MUST BE CONDUCTED UNDER THE SUPERVISION OF THE CITY OF NEWARK ARBORIST FOR EXACT TREE LOCATIONS.  
 2. PLANS DISPLAY EXISTING AND PROPOSED FEATURE LINE WORK FROM CITY OF NEWARK DEVON PARK CONSTRUCTION PLANS.

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
180	<i>Gleditsia triacanthos inermis</i> 'Imperial'	2
181	<i>Acer rubrum</i> 'Red Sunset'	7

ADDENDA / REVISIONS

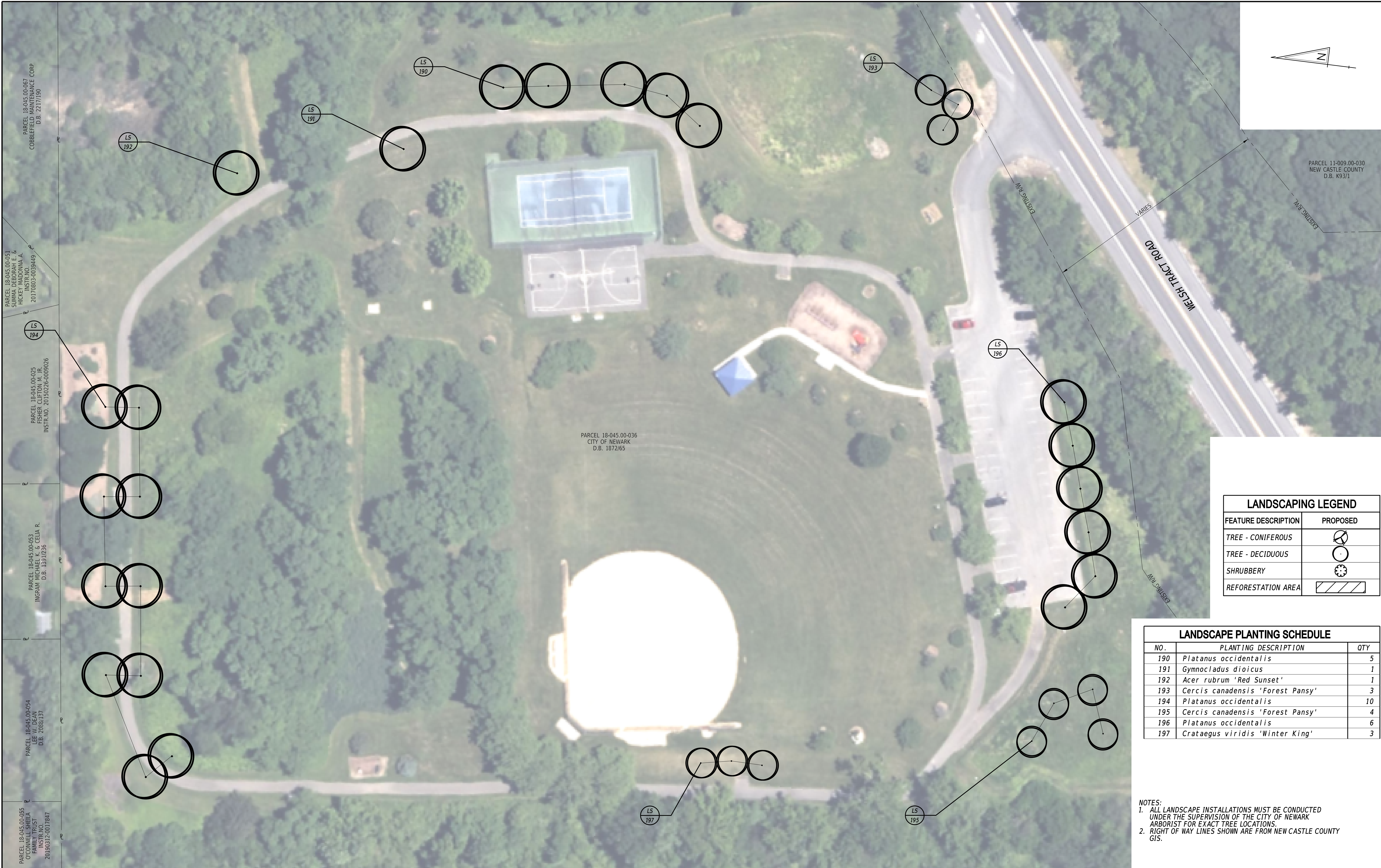


**ELKTON ROAD LANDSCAPING**

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

**LANDSCAPING PLAN  
DEVON PARK**

SECTION
JMT
SHEET NO.
17

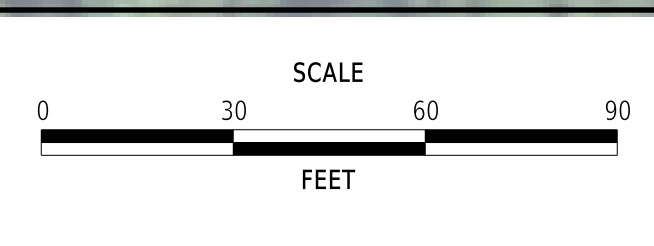


LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	

LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QTY
190	<i>Platanus occidentalis</i>	5
191	<i>Gymnocladus dioicus</i>	1
192	<i>Acer rubrum</i> 'Red Sunset'	1
193	<i>Cercis canadensis</i> 'Forest Pansy'	3
194	<i>Platanus occidentalis</i>	10
195	<i>Cercis canadensis</i> 'Forest Pansy'	4
196	<i>Platanus occidentalis</i>	6
197	<i>Crataegus viridis</i> 'Winter King'	3

NOTES:  
 1. ALL LANDSCAPE INSTALLATIONS MUST BE CONDUCTED UNDER THE SUPERVISION OF THE CITY OF NEWARK ARBORIST FOR EXACT TREE LOCATIONS.  
 2. RIGHT OF WAY LINES SHOWN ARE FROM NEW CASTLE COUNTY GIS.

ADDENDA / REVISIONS	



## ELKTON ROAD LANDSCAPING

CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN	
FOLK MEMORIAL PARK	
SECTION	JMT
SHEET NO.	18

LANDSCAPE PLANTING SCHEDULE SITE #1		
NO.	PLANTING DESCRIPTION	QTY
1.1	<i>Acer rubrum</i>	8
1.2	<i>Acer saccharum</i>	7
1.3	<i>Betula lenta</i>	7
1.4	<i>Carya ovata</i>	7
1.5	<i>Ostrya virginiana</i>	7
1.6	<i>Prunus serotina</i>	7
1.7	<i>Quercus alba</i>	7
1.8	<i>Quercus rubra</i>	7

Reforestation Site #1 : 7,272 SF, 0.17 AC  
60 trees required at 350 stems per acre, 57 provided to satisfy mitigation requirement of 170 trees.

LANDSCAPE PLANTING SCHEDULE SITE #2		
NO.	PLANTING DESCRIPTION	QTY
2.1	<i>Acer rubrum</i>	7
2.2	<i>Acer saccharum</i>	7
2.3	<i>Betula lenta</i>	7
2.4	<i>Carya ovata</i>	7
2.5	<i>Ostrya virginiana</i>	7
2.6	<i>Prunus serotina</i>	7
2.7	<i>Quercus alba</i>	7
2.8	<i>Quercus rubra</i>	8

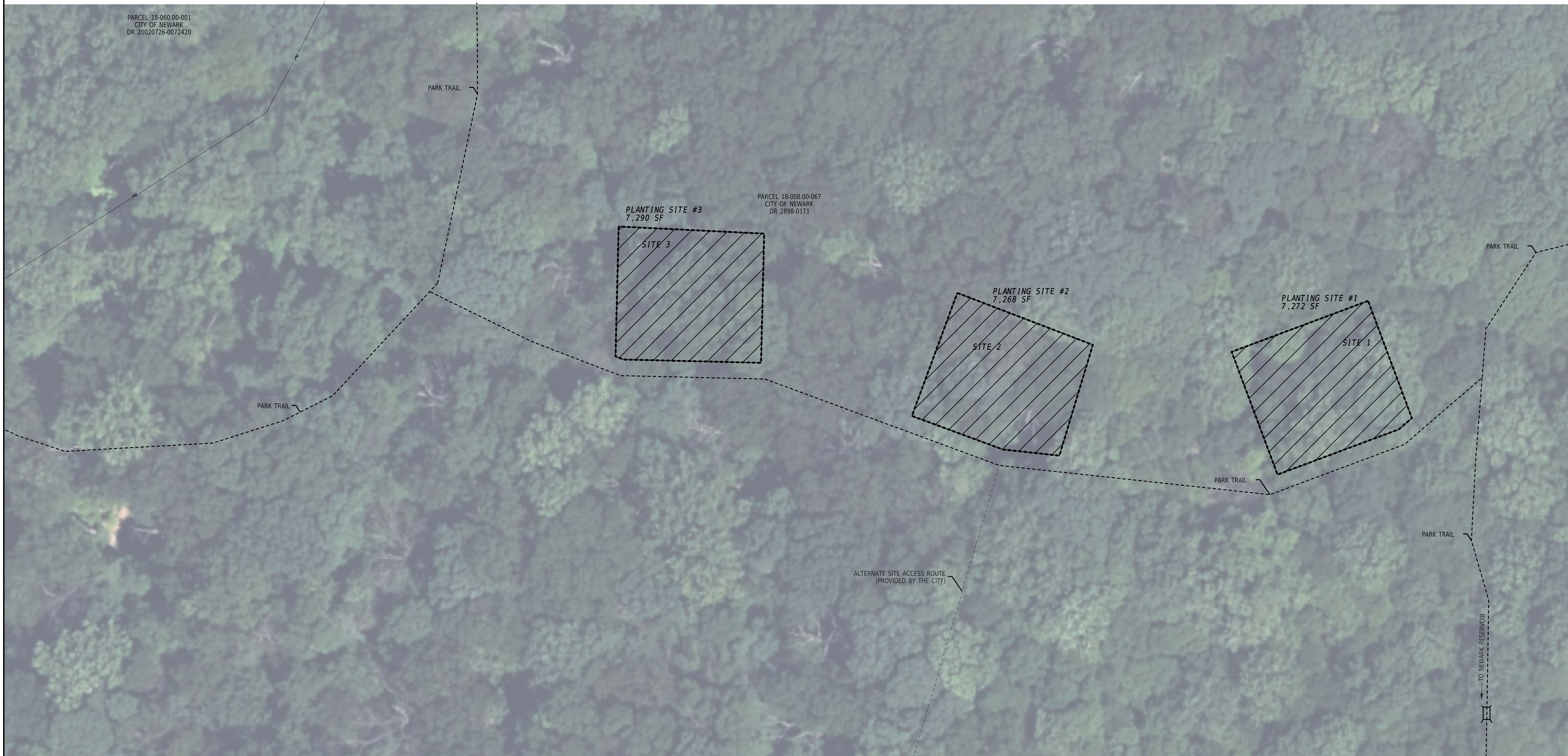
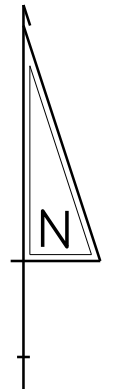
Reforestation Site #2 : 7,268 SF, 0.17 AC  
60 trees required at 350 stems per acre, 57 provided to satisfy mitigation requirement of 170 trees.

LANDSCAPE PLANTING SCHEDULE SITE #3		
NO.	PLANTING DESCRIPTION	QTY
3.1	<i>Acer rubrum</i>	7
3.2	<i>Acer saccharum</i>	7
3.3	<i>Betula lenta</i>	7
3.4	<i>Carya ovata</i>	7
3.5	<i>Ostrya virginiana</i>	7
3.6	<i>Prunus serotina</i>	7
3.7	<i>Quercus alba</i>	7
3.8	<i>Quercus rubra</i>	7

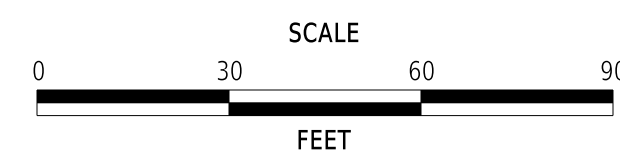
Reforestation Site #3 : 7,290 SF, 0.17 AC  
60 trees required at 350 stems per acre, 56 provided to satisfy mitigation requirement of 170 trees.

- NOTES:
- ALL LANDSCAPE INSTALLATIONS MUST BE CONDUCTED UNDER THE SUPERVISION OF THE CITY OF NEWARK ARBORIST FOR EXACT TREE LOCATIONS.
  - MAINTAIN A 10'-0" MINIMUM OFFSET FROM TRAIL EDGE TO ANY PROPOSED TREE.
  - CITY TO CLEAR THE SITES OF FALLEN TREES AND UNDERBRUSH PRIOR TO TREE PLANTING PROVIDED UNDER THIS CONTRACT.
  - ACCESS THROUGH NEWARK RESERVOIR TO REDD PARK WILL BE STRICTLY LIMITED TO ONLY THOSE APPROVED BY THE CITY OF NEWARK. FOR PERMIT CONTACT CITY OF NEWARK PARKS & RECREATION DEPARTMENT (302-366-7000).
  - EQUIPMENT SIZE AND TYPE FOR PLANTING AND MATERIAL DELIVERY TO THE PLANTING LOCATIONS TO BE APPROVED BY THE CITY.
  - EXERCISE CAUTION CROSSING WOODEN BRIDGE OVER THE STREAM. INSPECT THE BRIDGE CONDITION PRIOR TO EQUIPMENT ACCESS; COORDINATE WITH THE CITY IF ANY STABILIZING/ACCESS MEASURES NEED TO BE TAKEN AS DIRECTED BY THE CITY. WORK TO BE INCIDENTAL TO ITEM 911000. ALTERNATE ACCESS ROUTE MAY BE PROVIDED BY THE CITY.
  - CITY PERSONNEL SHALL BE PRESENT DURING ALL ACTIVITIES PERTAINING TO ACCESS AND TREE PLANTING AT REDD PARK.

LANDSCAPING LEGEND	
FEATURE DESCRIPTION	PROPOSED
TREE - CONIFEROUS	
TREE - DECIDUOUS	
SHRUBBERY	
REFORESTATION AREA	



ADDENDA / REVISIONS



ELKTON ROAD  
LANDSCAPING

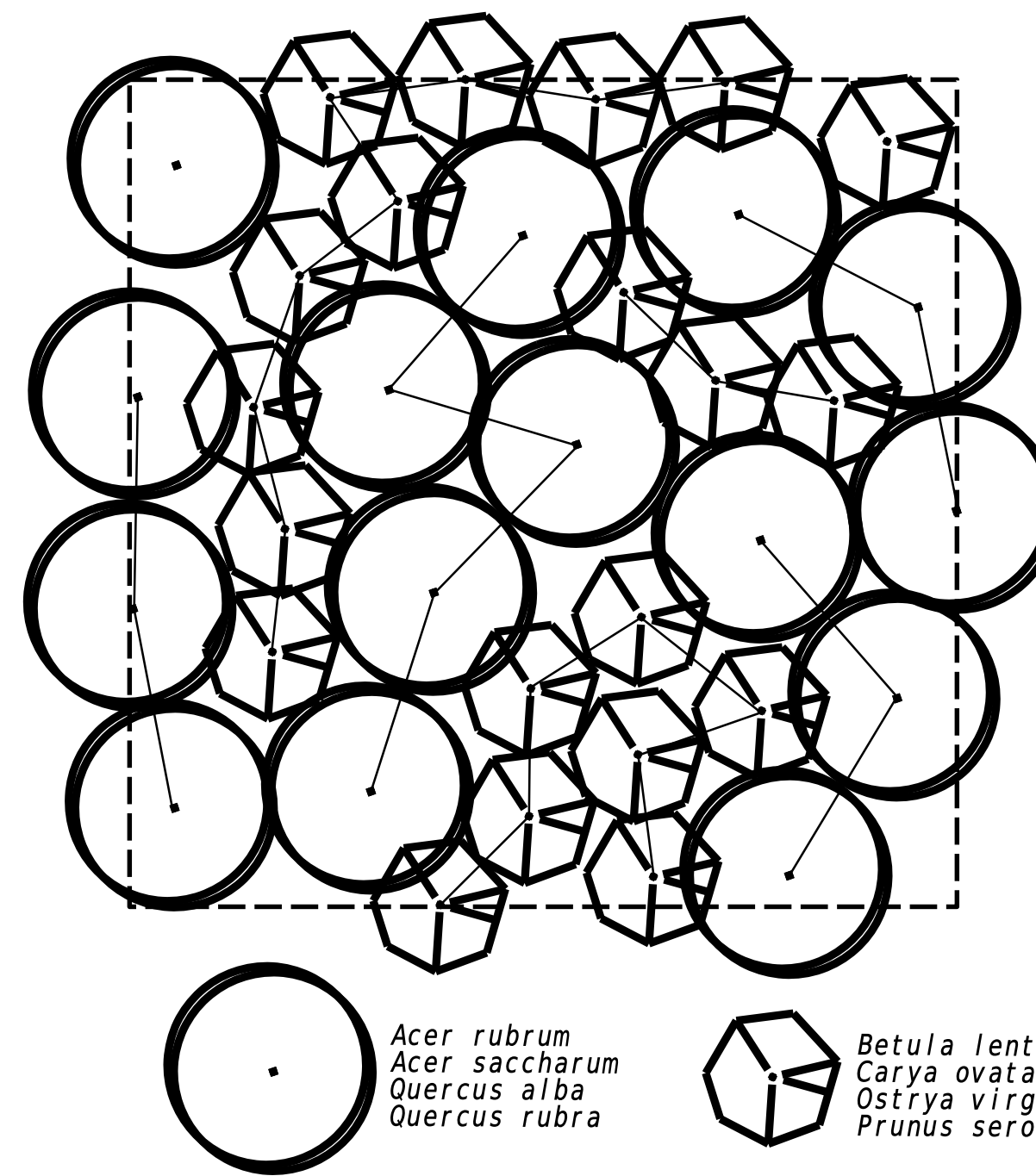
CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN  
WILLIAM M. REDD JR. PARK

SECTION	JMT
SHEET NO.	19

## REFORESTATION REQUIREMENTS

- 1). DELAWARE STATE SENATE BILL NO. 324 (DELAWARE TREE BILL) DEFINES TREES AS "WOODY PLANTS WITH A TRUNK MEASURING FOUR INCHES IN DIAMETER AT FOUR FEET ABOVE THE GROUND."
- 2). MITIGATION AND NEEDS ANALYSIS PLANS WERE COMPLETED WITH THE PREVIOUS ROADWAY CONTRACT (T201504401) TO IDENTIFY AND QUANTIFY THE TREES TO BE REMOVED DUE TO CONSTRUCTION ACTIVITIES. AFTER ROADWAY CONSTRUCTION WAS COMPLETED, A REVIEW OF THOSE PLANS WAS PERFORMED TO VERIFY AND REVISE THE MITIGATION REQUIREMENTS FOR THE PROJECT. THE MITIGATION REQUIREMENT SHOWN ON THIS SHEET IS THE REVISED INFORMATION BASED UPON FINAL CONSTRUCTION CONDITIONS.
- 3). BASED UPON THIS CRITERIA AND THE FINAL CONSTRUCTION CONDITIONS, THE ELKTON ROAD (MD LINE TO CASHO MILL ROAD) PROJECT REMOVED A TOTAL OF 300 TREES. OPPORTUNITIES FOR ON-SITE REPLACEMENT OF IMPACTED TREES RESULTED IN THE PROPOSED INSTALLATION OF 112 TREES MEASURING 2 INCHES IN CALIPER TOWARDS THE REFORESTATION MITIGATION REQUIRED.
- 4). ALONG WITH THESE ANTICIPATED ADDITIONAL PLANTINGS OF 112 LARGER PLANT STOCK TREES ON-SITE INTENDED TO REPLACE TREES REMOVED, 3 OFF-SITE LOCATIONS WERE IDENTIFIED AND COORDINATED WITH THE CITY OF NEWARK. THE OFF-SITE AREAS WILL TOTAL 41 LARGER PLANT STOCK TREES (2" CALIPER) AND REFORESTATION AREAS CONSISTING OF SMALLER PLANT STOCK.
- 5). THE PROJECT (MD LINE TO CASHO MILL ROAD) REMOVED IN EXCESS OF FIFTY TREES, THEREFORE, THE REFORESTATION PLANTING REQUIREMENTS WERE CALCULATED BASED UPON THE CRITERIA AS OUTLINED IN SECTION A4.1.6 OF THE DELAWARE TREE BILL. FOR EVERY TREE REMOVED, 144 SQUARE FEET OF REFORESTATION PLANTING (CONTAINER GROWN PLANTS #1, 2, OR 3) MUST BE PROVIDED. 300 TOTAL TREES REMOVED MINUS THE 112 TREES TO BE REPLANTED ON-SITE AND THE 41 TREES TO BE REPLANTED OFF-SITE, RESULTS IN 147 TREES TO BE MITIGATED. THE REQUIRED REFORESTATION ACREAGE IS 0.49 ACRES (21,168 SQUARE FEET) FOR THIS PROJECT.
- 6). AS PER THE REFORESTATION SITE STOCKING REQUIREMENTS OF THE DELAWARE TREE BILL (FIGURE A-1), THE REFORESTATION PLANTINGS WILL UTILIZE CONTAINER GROWN PLANTS (CONTAINER SIZES #1, 2, OR 3) AND THE QUANTITIES AND SPECIES FOR EACH SITE HAVE BEEN DEVELOPED AND ARE SHOWN ON THIS SHEET.

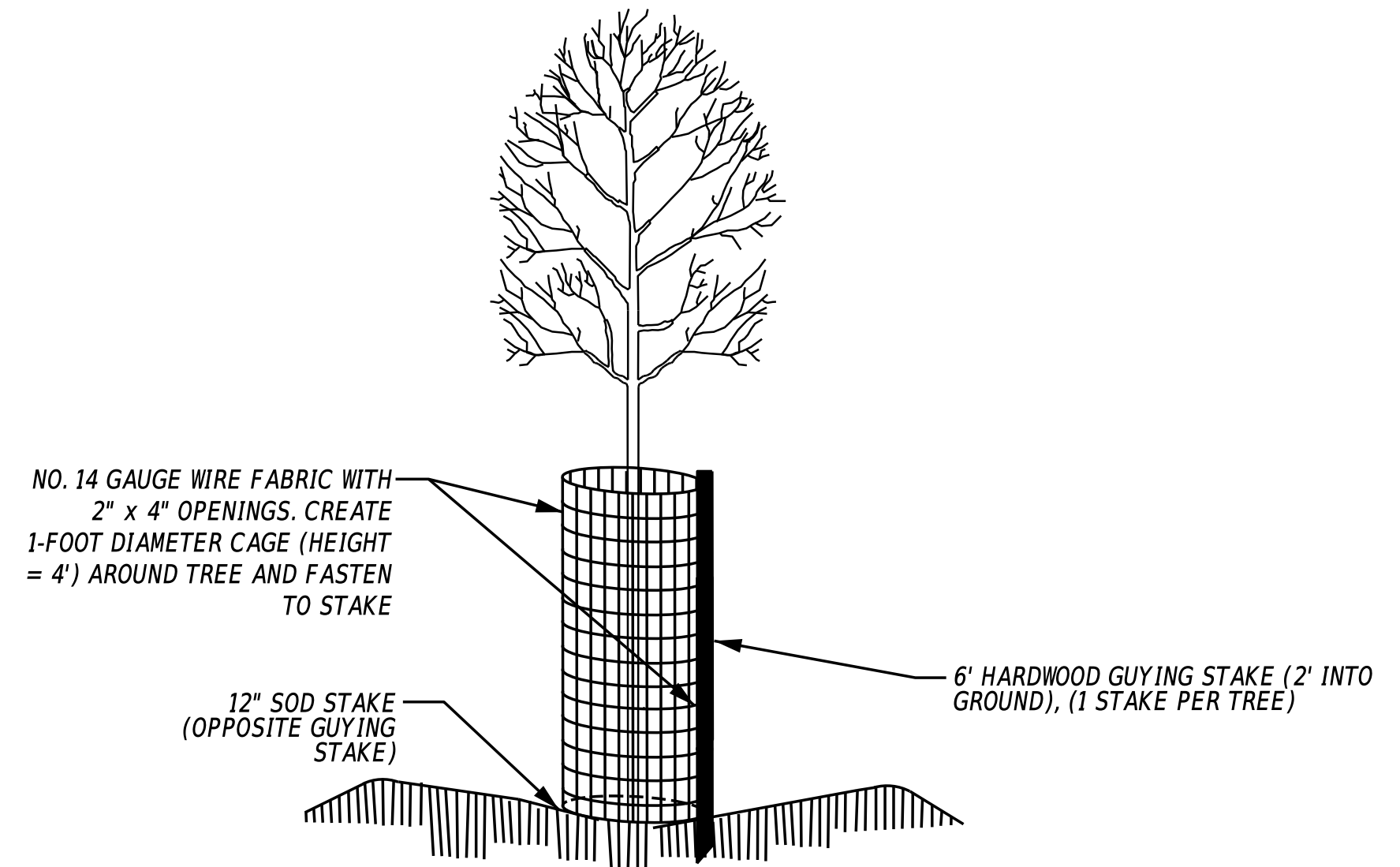


----- EDGE OF PLANTING AREA, MAINTAIN 10'-0" MINIMUM FROM EDGE OF PATH

### SMALL TREE STOCK (1" CAL. AND LESS) PLANTING LAYOUT DETAIL FOR REFORESTATION AREAS

NOT TO SCALE

- NOTES:
- 1). AVOID PLANTING IN GRID PATTERN.
  - 2). INSTALL TREES IN DRIFTS OF ODD NUMBERS (GROUPS OF 3, 5, 7, OR 9 PREFERRED).
  - 3). PLANT SPACING SHALL BE BETWEEN 10 FEET AND 12 FEET ON CENTER.



- NOTES:
- 1). CAGE SHALL BE NO. 14 GAUGE WIRE FABRIC WITH 2" x 4" OPENINGS.
  - 2). CAGE HEIGHT SHALL BE 4' (MIN.)
  - 3). CREATE A 1-FOOT DIAMETER CAGE AROUND TREE.
  - 4). FOR MULTI-STEM TREES AND SHRUBS OR TREES WITH LEADERS BELOW 4', USE WIDER CAGE TO LEAVE A 1-FOOT DIAMETER AROUND TREE.
  - 5). FASTEN CAGE TO STAKE WITH TWO (MIN.) 11-INCH TWIST TIES, ONE AT TOP AND ONE AT 6" (MIN.) ABOVE THE GROUND.
  - 6). INSTALL 6" HARDWOOD GUYING STAKE, 2' INTO GROUND, 1 STAKE (MIN.) PER CAGE.
  - 7). ENSURE CAGE IS FASTENED TO THE GROUND TO PREVENT UPLIFT BY DEER BY INSTALLING A 12" SOD STAKE OPPOSITE THE GUYING STAKE.
  - 8). FOR TREES LARGER THAN 3" CALIPER WITH NO BRANCHING BELOW 4', CAGE CAN BE SUBSTITUTED WITH DEER BARK PROTECTORS (ITEMS #bg48, BY A.M. LEONARD) OR EQUAL.
  - 9). DO NOT DAMAGE TREE DURING INSTALLATION.
  - 10). CAGES TO BE REMOVED ONLY AT DIRECTION OF FOREST ECOLOGIST.
  - 11). TREE DEER PROTECTION AND ITS INSTALLATION ARE INCIDENTAL TO THE COST OF THE TREE.

### TREE DEER PROTECTION DETAIL (ALL TREES IN REFORESTATION AREAS)

NOT TO SCALE

### REFORESTATION REQUIREMENT CALCULATIONS

Project: Elkton Road, MD Line to Casho Mill Road						
Contract Number: T202204401						
NUMBER OF TREES REMOVED	NUMBER OF TREES REPLACED ON-SITE	NUMBER OF TREES REPLACED OFF-SITE	NUMBER OF TREES TO BE MITIGATED	REQUIRED MITIGATION AREA PER TREE #1, 2, & 3 CONTAINER GROWN (SF)	TOTAL REFORESTATION AREA REQUIRED (SF)	TOTAL REFORESTATION AREA REQUIRED (ACRES)
A	B	C	D = A - (B+C)	E	D * E	21168/43560
300	112	41	147	144	21168	0.49

REFORESTATION PLANTING OPTION	TREE STOCK SIZE	REFORESTATION REQUIRED (AC/SF)		REQUIRED MITIGATION AREA PER TREE (SF)	PLANTING DENSITY (TREES PER ACRE)	NUMBER OF TREES REQUIRED
		A (ACRES)	B (SQUARE FEET)			
Option 'A'	#1, 2 OR 3 CONTAINER	0.49	21168	144	350	170
Option 'B'	1" CALIPER, B&B	0.76	33075	225	200	152
Option 'C'	1.5"-2" CALIPER, B&B	1.35	58800	400	100	135

### LANDSCAPE SUMMARY (REFORESTATION STOCK)

QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING
22	<i>Acer rubrum</i>	Red Maple	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
21	<i>Acer saccharum</i>	Sugar Maple	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
21	<i>Betula lenta</i>	Black Birch	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
21	<i>Carya ovata</i>	Shagbark Hickory	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
21	<i>Ostrya virginiana</i>	Ironwood	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
21	<i>Prunus serotina</i>	Black Cherry	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
21	<i>Quercus alba</i>	White Oak	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.
22	<i>Quercus rubra</i>	Red Oak	#3, 4-6' HGT.	CONTAINER	10' - 12' O.C.

Total area of reforestation provided: 21,830 SF, 0.50 AC

ADDENDA / REVISIONS

NOT TO SCALE

ELKTON ROAD  
LANDSCAPING

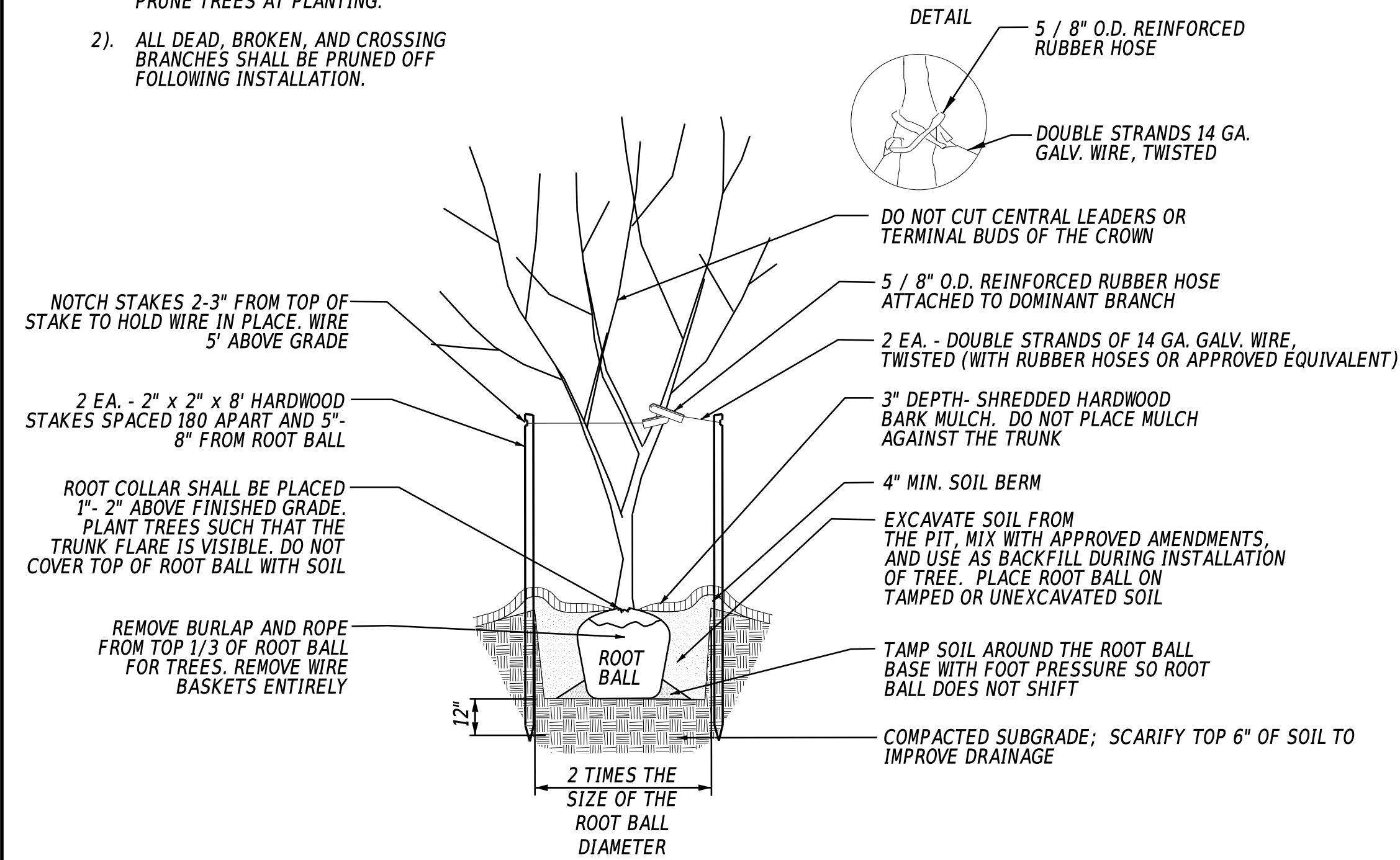
CONTRACT	BRIDGE NO.	N/A
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

LANDSCAPING PLAN DETAILS

SECTION
JMT
SHEET NO.
20

**NOTES:**

- 1). ALL PRUNING SHALL BE DONE BY, OR UNDER THE DIRECTION OF, AN I.S.A. CERTIFIED ARBORIST. DO NOT HEAVILY PRUNE TREES AT PLANTING.
- 2). ALL DEAD, BROKEN, AND CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.

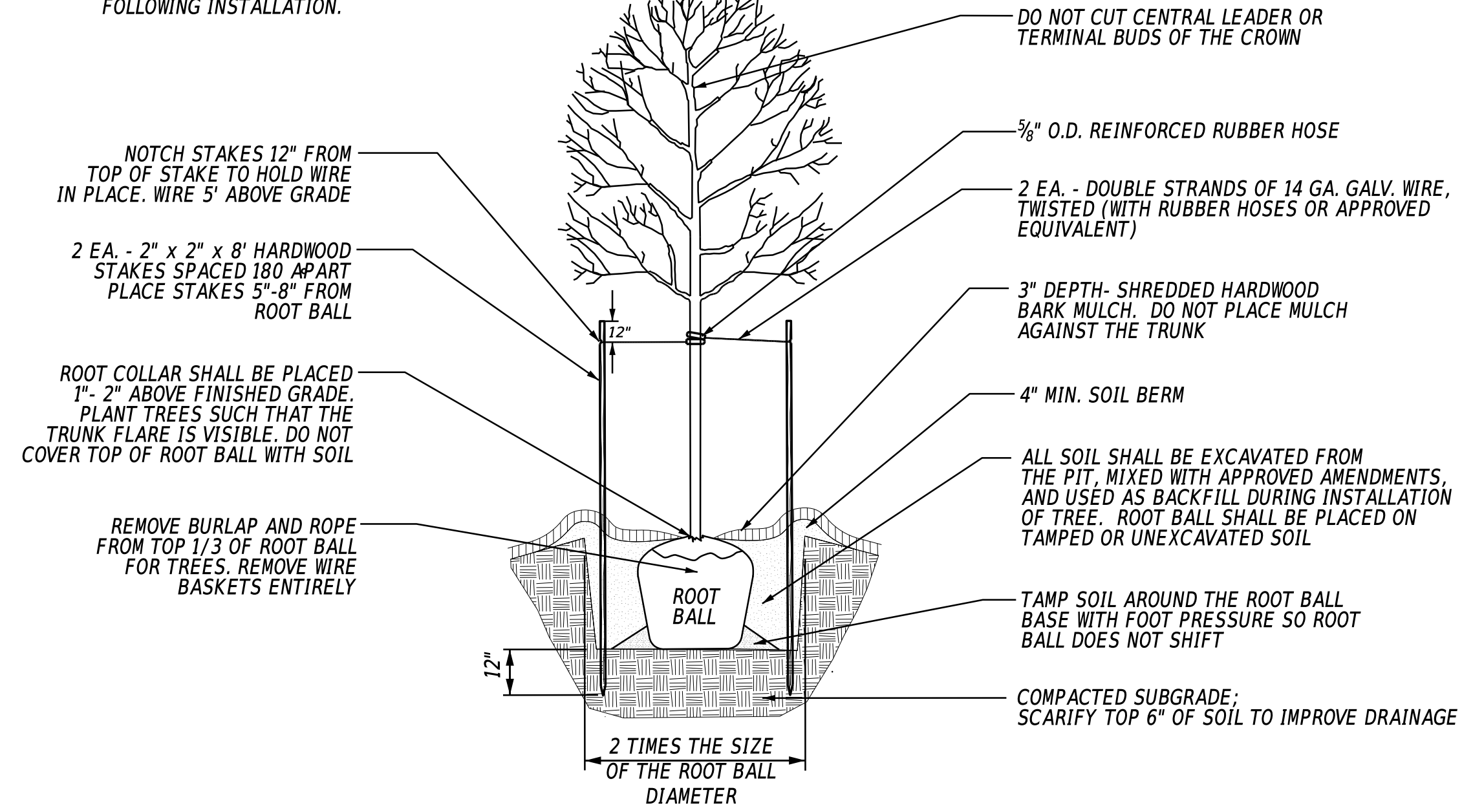


**DECIDUOUS MULTI-STEM TREE PLANTING DETAIL (MINOR TREES)**

NOT TO SCALE

**NOTES:**

- 1). ALL PRUNING SHALL BE DONE BY, OR UNDER THE DIRECTION OF, AN I.S.A. CERTIFIED ARBORIST. DO NOT HEAVILY PRUNE TREES AT PLANTING.
- 2). ALL DEAD, BROKEN, AND CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.

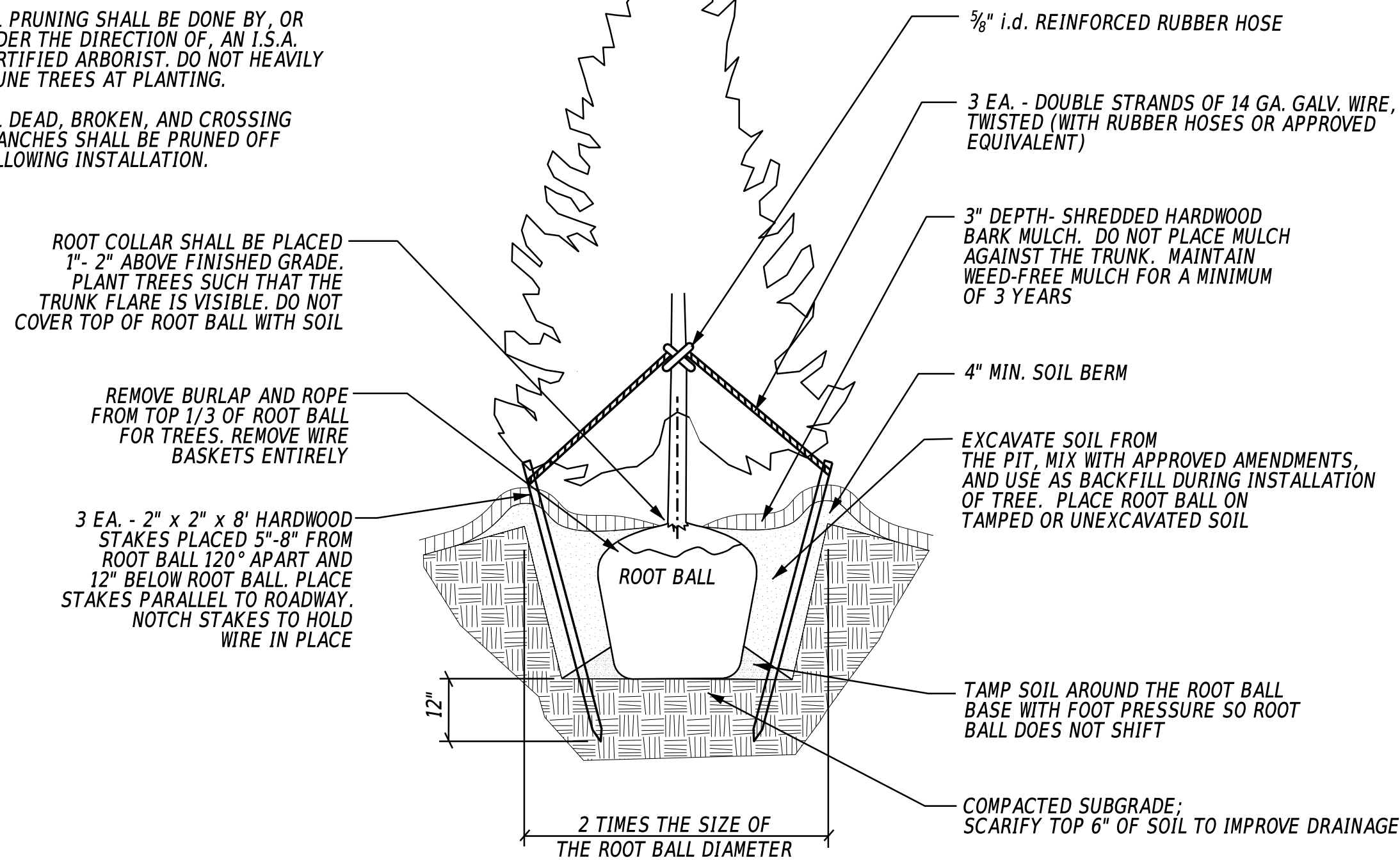


**DECIDUOUS SINGLE STEM TREE PLANTING DETAIL (MAJOR AND MINOR TREES)**

NOT TO SCALE

**NOTES:**

- 1). ALL PRUNING SHALL BE DONE BY, OR UNDER THE DIRECTION OF, AN I.S.A. CERTIFIED ARBORIST. DO NOT HEAVILY PRUNE TREES AT PLANTING.
- 2). ALL DEAD, BROKEN, AND CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.

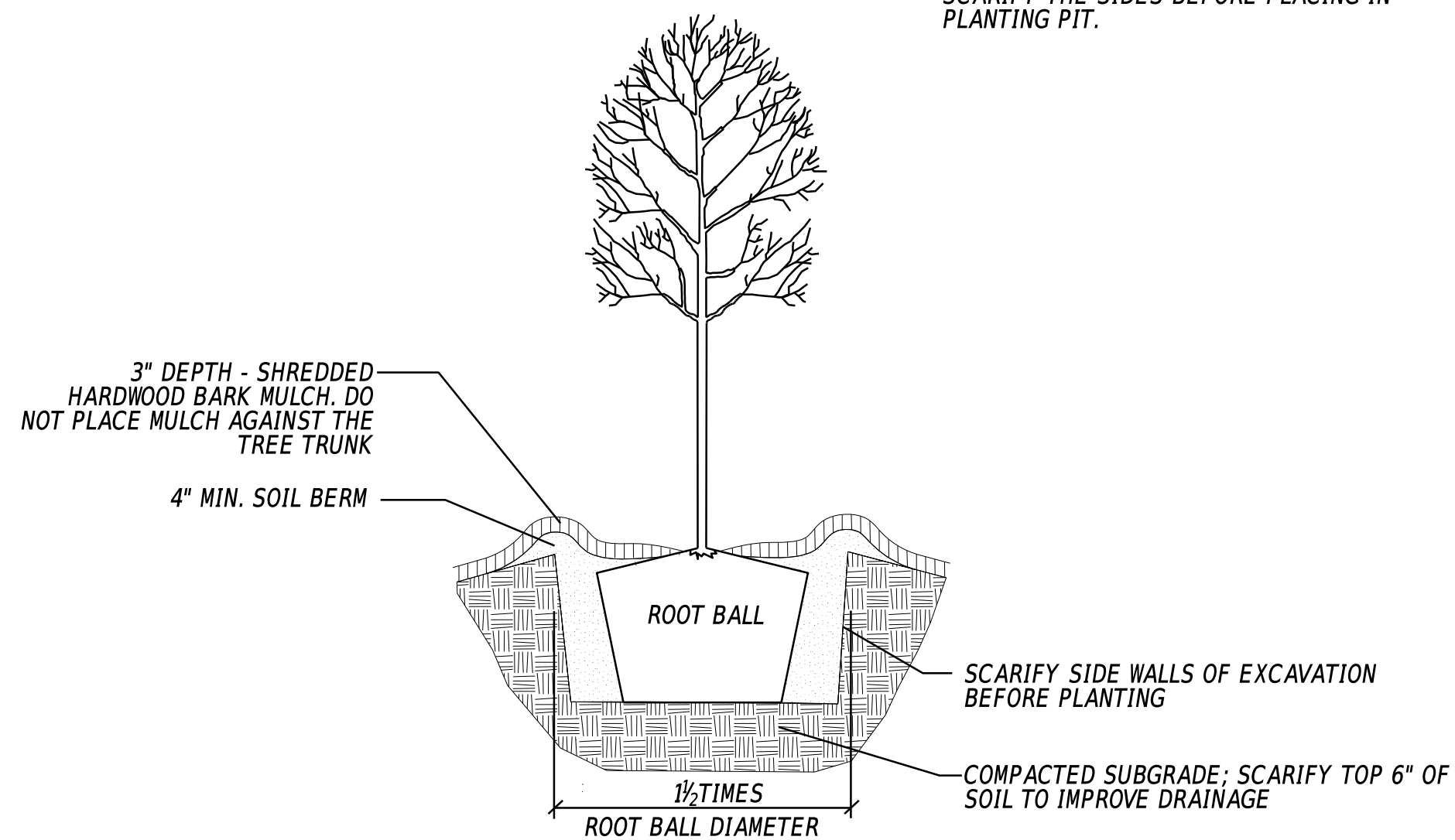


**EVERGREEN TREE PLANTING DETAIL**

NOT TO SCALE

**NOTES:**

- 1). EXCAVATED SOIL FROM THE PIT, MIX WITH APPROVED AMENDMENTS, AND USE AS BACKFILL DURING INSTALLATION OF THE TREE. PLACE ROOT BALL ON TAMPED OR UNEXCAVATED SOIL.
- 2). REMOVE TREE FROM THE CONTAINER AND SCARIFY THE SIDES BEFORE PLACING IN PLANTING PIT.



**DECIDUOUS TREE PLANTING DETAIL (1" CAL. AND LESS)**

NOT TO SCALE

ADDENDA / REVISIONS

NOT TO SCALE

ELKTON ROAD  
LANDSCAPING

CONTRACT  
T202204401  
COUNTY  
NEW CASTLE

BRIDGE NO. N/A  
DESIGNED BY: S.RASMUSSEN  
CHECKED BY: B.HERB

LANDSCAPING PLAN DETAILS

SECTION  
JMT  
SHEET NO.  
21

**LANDSCAPE SUMMARY (LARGE STOCK)**

QTY.	TREE CATEGORY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
13	Major	<i>Acer rubrum</i> 'Red Sunset'	'Red Sunset' Red Maple	2" cal.	B & B	30' o.c., as shown
21	Minor	<i>Amelanchier laevis</i>	Allegheny Serviceberry	6' hgt.	B & B	multi stem, as shown
4	Minor	<i>Carpinus caroliniana</i>	American Hornbeam	2" cal.	B & B	30' o.c.
22	Minor	<i>Cercis canadensis</i> 'Forest Pansy'	'Forest Pansy' Eastern Redbud	2" cal.	B & B	30' o.c.
3	Major	<i>Cladrastis kentukea</i>	Yellowwood	2" cal.	B & B	30' o.c.
20	Minor	<i>Crataegus viridis</i> 'Winter King'	'Winter King' Hawthorn	2" cal.	B & B	30' o.c.
3	Major, Evergreen	<i>Cryptomeria japonica</i>	Japanese Cedar	6' hgt.	B & B	12' o.c.
2	Major	<i>Gleditsia triacanthos inermis</i> 'Imperial'	'Imperial' Honeylocust	2" cal.	B & B	as shown
1	Major	<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	2" cal.	B & B	as shown
14	Minor, Evergreen	<i>Ilex opaca</i>	American Holly	6' hgt.	B & B	12' o.c.
10	Minor	<i>Lagerstroemia indica</i> 'Muskogee'	'Muskogee' Crapemyrtle	6' hgt.	B & B	multi stem, as shown
12	Minor	<i>Magnolia stellata</i>	Star Magnolia	6' hgt.	B & B	multi stem, 15' o.c., as shown
3	Minor	<i>Magnolia virginiana</i> 'Emerald Tower'	'Emerald Tower' Sweetbay Magnolia	6' hgt.	B & B	multi stem, as shown
5	Major	<i>Oxydendrum arboreum</i>	Sourwood	2" cal.	B & B	30' o.c.
21	Major	<i>Platanus occidentalis</i>	American Sycamore	2" cal.	B & B	as shown

ADDENDA / REVISIONS

NOT TO SCALE

**ELKTON ROAD  
LANDSCAPING**

CONTRACT	BRIDGE NO.	<b>N/A</b>
T202204401	DESIGNED BY:	S.RASMUSSEN
COUNTY	CHECKED BY:	B.HERB
NEW CASTLE		

**LANDSCAPING PLAN DETAILS**

SECTION
JMT
SHEET NO.
22