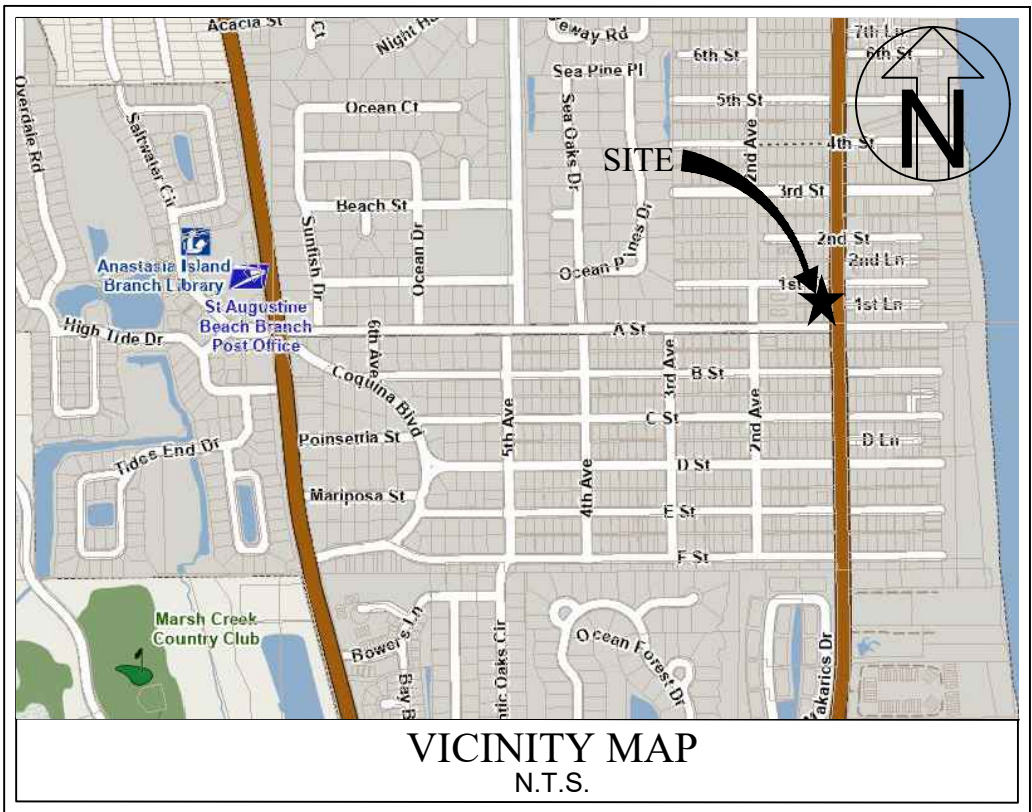


CONSTRUCTION PLANS FOR A STREET PARKING CITY OF ST. AUGUSTINE BEACH

GENERAL NOTES:

- A. TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY, AS CONTRACTORS TO THE OWNER:
- LANDTECH AND ASSOCIATES
61701 A1A SOUTH #316
ST. AUGUSTINE, FLORIDA 32086
CONTACT: NICHOLAS H. FRANKLIN
PHONE: 904-471-6877
- MATTHEWS DESIGN GROUP, LLC AND ITS ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE SURVEY OR FOR DESIGN ERRORS OR OMISSIONS RESULTING FROM SURVEY INACCURACIES.
- B. ADDITIONAL PROJECT INFORMATION HAS BEEN PROVIDED BY THE FOLLOWING SUB-CONSULTANT AS CONTRACTOR TO THE OWNER:
- JACKSON GEOTECHNICAL ENGINEERING
GEOTECH
164 PLAZA DEL RIO DRIVE
ST. AUGUSTINE, FL. 32084
CONTACT: JEFF JACKSON
PHONE: (904)-252-2292
- C. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF ANY DISCREPANCIES BETWEEN THE SURVEY AND FIELD VERIFICATION OF INFORMATION ABOVE OR BELOW GROUND THAT MAY BE CRITICAL TO THE DESIGN OF THIS PROJECT. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION OF THIS PROJECT.
- D. WARRANTY / DISCLAIMER:
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER IS INVOLVED WITH THE PHYSICAL CONSTRUCTION ON AN ONGOING BASIS AT THE SITE.
MATTHEWS DESIGN GROUP (MDG) IS THE PROJECTS ENGINEER OF RECORD (EOR). MDG IS NOT A GENERAL CONTRACTOR, UTILITY CONTRACTOR, SITE CONTRACTOR, OR ANY OTHER TYPE OF CONTRACTOR.
- E. SAFETY NOTICE TO CONTRACTOR:
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON OR NEAR THE CONSTRUCTION SITE.
- F. CONSTRUCTION TESTING:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, TESTING, LABORATORY ANALYSES, REPORTS, COSTS, ETC., CONCERNING SOILS AND PAVEMENT RELATED DESIGN REQUIREMENTS AND SPECIFICATIONS AS SET FORTH IN THESE PLANS.
- G. AS-BUILT SURVEY NOTE:
UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS REQUIRED TO PROVIDE OWNER / ENGINEER WITH A SIGNED AND SEALED AS-BUILT SURVEY AND ANY OTHER RELATED CONSTRUCTION DOCUMENTS, IN ACCORDANCE WITH APPLICABLE PERMITTING AGENCY REQUIREMENTS, AS THE BASIS FOR PROJECT CERTIFICATIONS AND CLOSE-OUT.
- H. RIGHT-OF-WAY:
ANY AND ALL WORK CONDUCTED WITHIN THE CITY OF ST. AUGUSTINE BEACH RIGHT-OF-WAYS MUST BE IN ACCORDANCE WITH THE APPLICABLE LAND DEVELOPMENT CODES.
- I. PRE-CONSTRUCTION MEETING:
IT IS THE RESPONSIBILITY OF THE APPLICANT TO SCHEDULE A PRE-CONSTRUCTION / PRE PERMIT ISSUANCE MEETING WITH CITY OF ST. AUGUSTINE BEACH STAFF AFTER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE COSAB AND PRIOR TO STARTING ANY SITE ACTIVITIES. THE PRE-CONSTRUCTION MEETING WILL BE HELD IN CONJUNCTION WITH THE COSAB MANDATORY PRE-CONSTRUCTION MEETING. HOWEVER, IF THE PROJECT FALLS OUTSIDE OF COSAB JURISDICTION, PLEASE CALL CITY OF ST. AUGUSTINE BEACH TO SCHEDULE MEETING.
- J. ALL ELEVATIONS SHOWN HEREIN ARE REFERENCED TO NORTH AMERUIACN GEODETIC VERTICAL DATUM 1988 (NAVD 88).



OWNER:

CITY OF ST. AUGUSTINE BEACH
2200 A1A SOUTH
ST. AUGUSTINE BEACH, FL 32080
PHONE: (904) 471-1119
CONTACT: WILLIAM TREDIK, P.E.

PREPARED BY:

**MATTHEWS
DESIGN GROUP**
P.O. BOX 3126, 7 WALDO STREET
ST. AUGUSTINE, FL 32084
PHONE: 904.826.1334 • FAX: 904.826.4547
INFO@MDGINC.COM

PERMITS / APPROVALS

ST. JOHNS COUNTY
ST JOHNS RIVER WATER MANAGEMENT DISTRICT
CITY OF SAINT AUGUSTINE BEACH

SUBMITTED

RECEIVED

_____	_____
_____	_____



Know what's below.
Call before you dig.

This item has been digitally signed and sealed by Fred R. Jones, Jr. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Sheet List Table			
Sheet Number	Sheet Title		
1	COVER SHEET		
2	GENERAL NOTES		
3 - 4	SURVEY		
5	DEMOLITION PLAN		
6	SITE PLAN		
7	GRADING AND DRAINAGE PLAN		
8	LANDSCAPE PLAN		
9	LANDSCAPE SPECIFICATIONS AND DETAILS		
10 - 11	CONSTRUCTION DETAILS		
12	MOT PLAN		
13	SWPPP		

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT	ST. JOHNS COUNTY DEVELOPMENT SERVICES
7775 BAYMEADOWS WAY, SUITE 102 JACKSONVILLE, FLORIDA 32256 (904) 730-6270	4040 LEWIS SPEEDWAY ST. AUGUSTINE, FLORIDA 32084 (904) 209-0660
FDOT	CITY OF ST. AUGUSTINE PUBLIC WORKS
3600 DOT ROAD ST. AUGUSTINE, FLORIDA 32084 (904) 825-5026	P.O. DRAWER 21 ST. AUGUSTINE, FLORIDA 32085 (904) 209-4273

COVER SHEET

A STREET PARKING
CITY OF ST. AUGUSTINE BEACH
PREPARED FOR
CITY OF ST. AUGUSTINE BEACH

SHEET NO.:

1

OF 13

**MATTHEWS
DESIGN GROUP**

P.O. BOX 3126, 7 WALDO STREET
ST. AUGUSTINE, FL 32084
PHONE: 904.826.1334 • FAX: 904.826.4547
INFO@MDGINC.COM

PERSON BY:

SAK

DATE BY:

MJM

CHECK BY:

FRJ

DATE:

07-05-2023

JOB NO.:

22036

REVISIONS

DESCRIPTION

REVISED PER SJC COMMENTS

NO.

DATE

01

07/31/2023

REGISTERED ENGINEER
FRED R. JONES, JR.
CARELESS, FL 142614

This document has been digitally signed and sealed by Fred R. Jones, Jr. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

MAP SHOWING SURVEY OF

PARCEL 1: LOTS 2 AND 4, BLOCK 22, CHAUTAUQUE BEACH SUBDIVISION OF ANASTASHA METHODIST ASSEMBLY GROUNDS, ACCORDING TO THE PLAT THEREOF RECORDED IN MAP BOOK 2, PAGE 3, PUBLIC RECORDS OF ST. JOHNS COUNTY, FLORIDA.
TOGETHER WITH THE NORTH HALF OF THE VACATED ALLEY LYING SOUTH OF LOTS 2 AND 4, BY ORDINANCE NO. 99-8, AS RECORDED IN O.R. BOOK 1437, PAGE 1082, PUBLIC RECORDS OF ST. JOHNS COUNTY, FLORIDA.

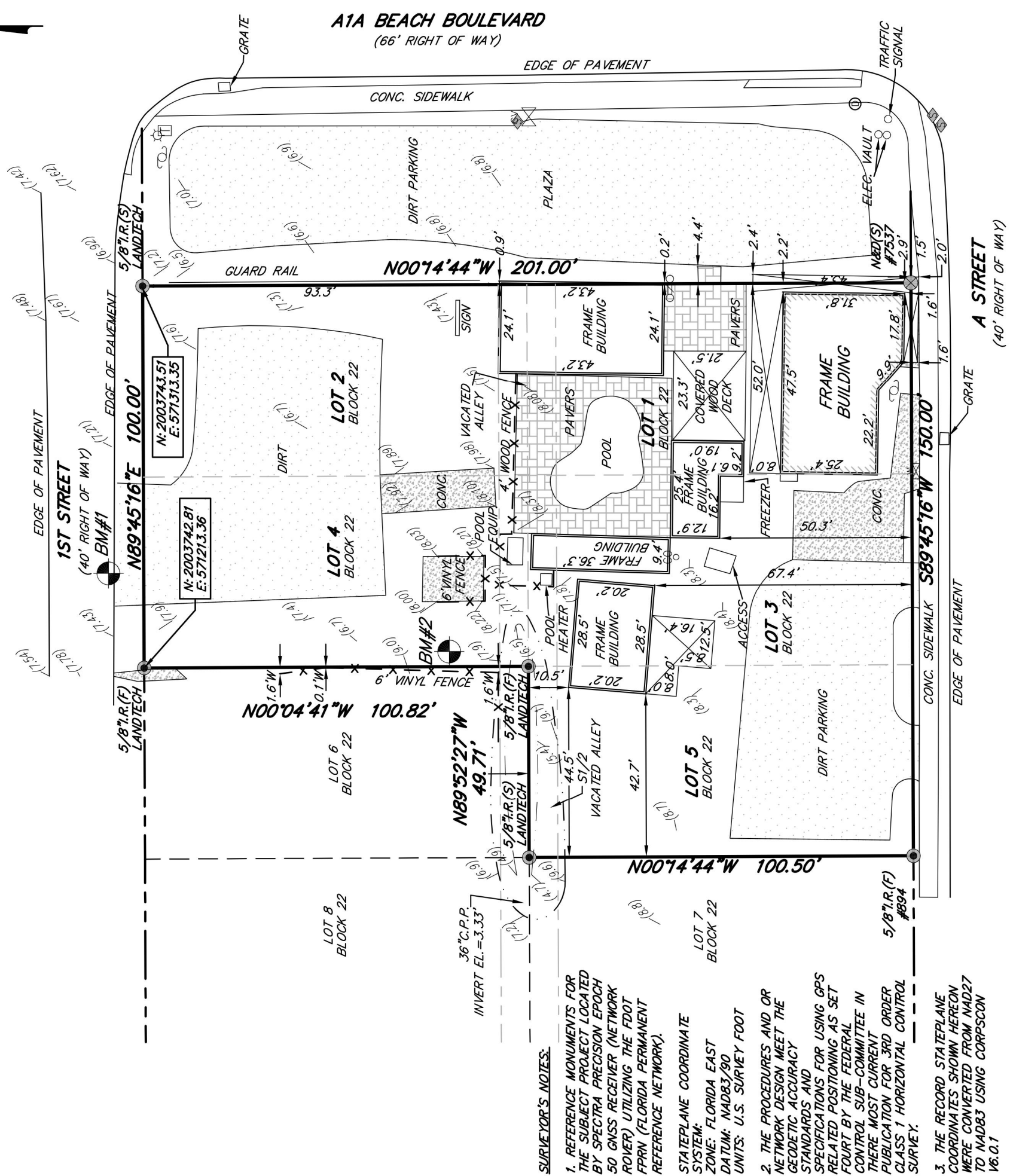
PARCEL IDENTIFICATION NUMBER: 169480-0000

PARCEL 2: LOTS 1, 3 AND 5, BLOCK 22, CHAUTAUQUE BEACH SUBDIVISION OF ANASTASHA METHODIST ASSEMBLY GROUNDS, ACCORDING TO THE PLAT THEREOF RECORDED IN MAP BOOK 2, PAGE 3, PUBLIC RECORDS OF ST. JOHNS COUNTY, FLORIDA.

TOGETHER WITH THE SOUTH HALF OF THE VACATED ALLEY LYING NORTH OF LOTS 1,3 AND 5 BY ORDINANCE NO. 99-8, AS RECORDED IN O.R. BOOK 1437, PAGE 1082, PUBLIC RECORDS OF ST. JOHNS COUNTY, FLORIDA.

PARCEL IDENTIFICATION NUMBER: 169470-0000

CERTIFIED TO:
REIMOND BANK OF FLORIDA, A DIVISION OF BANK OF AMERICA, NATIONAL ASSOCIATES, MAY APPEAR AS THEIR INTEREST
CHAMBERLAIN, P.S. SUGGESTS, A DIVISION OF CHAMBERLAIN, P.S. SUGGESTS, MAY APPEAR AS THEIR INTEREST
OLD REBELS NATIONAL TILE INSURANCE COMPANY



BENCHMARK#1-NAIL & DISK(F) LANDTECH TRAV EL=7.97' N.A.VD.88
BENCHMARK#2-5/8\"

LEGEND

A/C = AIR CONDITIONER PAD
RES. = RESIDENCE
N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM
99' H. = SQUARE FEET
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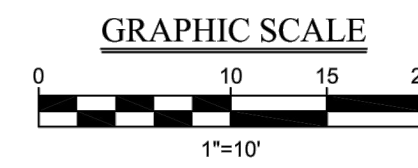
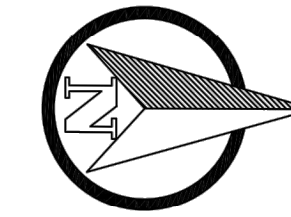
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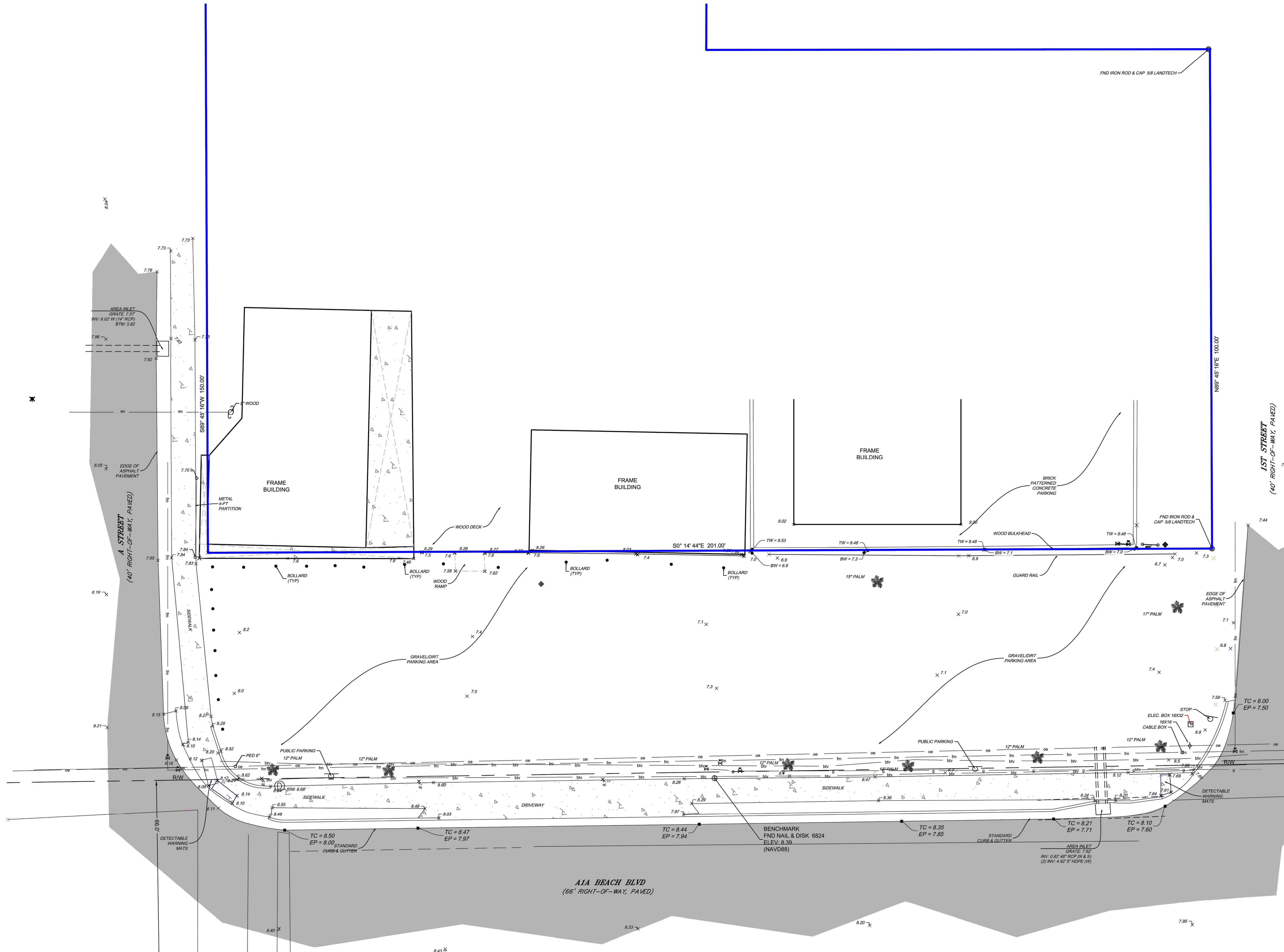
A MAP SHOWING A TOPOGRAPHICAL SURVEY OF
A PORTION OF THE SOUTHEAST QUARTER OF
SECTION 34, TOWNSHIP 7 SOUTH, RANGE 30 EAST,
ST JOHNS COUNTY, FLORIDA



TOPOGRAPHY NOTES

TOPOGRAPHY SURVEY GENERAL NOTES

1. THIS IS NOT A BOUNDARY SURVEY
2. THIS IS A TOPOGRAPHIC SURVEY, AS DEFINED IN CHAPTER 5J-17.05(10)(A)-(K) OF THE FLORIDA ADMINISTRATIVE CODE.
3. THE FIELD SURVEY WAS PERFORMED ON 09/23/2022.
4. THE SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAP OR MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
5. THE BEARINGS AND COORDINATE SYSTEM UTILIZED HEREON IS RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT, AS DERIVED BY REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM ("RTK GPS") SURVEY METHODS USING THE PUBLIC FLORIDA DEPARTMENT OF TRANSPORTATION'S FLORIDA PERMANENT REFERENCE NETWORK (FPRN). THE CORRECTED POSITIONS COMPUTED BY THESE NETWORKS WERE VERIFIED THROUGH A REDUNDANCY OF MEASUREMENTS ON PRIMARY CONTROL ALONG WITH CONSISTENT HORIZONTAL CHECKS TO SECONDARY CONTROL. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET.
6. THE ACCURACY STANDARD USED FOR THE HORIZONTAL CONTROL FOR THIS SURVEY, AS CLASSIFIED IN THE STANDARDS OF PRACTICE (5J-17.051 FAC). THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET.
7. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE AMERICAN VERTICAL DATUM OF 1988, AS ESTABLISHED BY F.P.R.N. REPEATED G.P.S. VALUES.
8. THE STRUCTURE DIMENSIONS DO NOT INCLUDE THE EAVE OVERHANG OR FOUNDATION FOOTINGS, UNLESS OTHERWISE NOTED ON THIS MAP.
9. IN SOME INSTANCES IT IS NECESSARY TO EXAGGERATE THE LOCATION OF SOME FEATURES SUCH AS, BUT NOT LIMITED TO, FENCES, ADDITIONAL PROPERTY CORNERS FOUND, ETC. IN ORDER TO MORE CLEARLY REPRESENT THE AFOREMENTIONED ITEMS.
10. UTILITIES OTHER THAN SHOWN WERE NOT FIELD LOCATED.
11. THE PROPERTY SURVEYED MAY CONTAIN WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS SUBJECT TO THE JURISDICTION BY GOVERNMENTAL AGENCIES. THE LIMITS OF SAID AREAS, IF ANY, HAVE NOT BEEN LOCATED.
12. THIS IS A SURFACE SURVEY ONLY. UNDERGROUND IMPROVEMENTS SUCH AS FOOTERS AND UTILITIES, IF ANY, WERE NOT LOCATED, EXCEPT AS SHOWN.
13. THE SUBJECT PROPERTY LIES IN FLOOD ZONE "X". ACCORDING TO THE FLOOD INSURANCE RATE MAP(FIRM), COMMUNITY-PANEL NUMBER 121090C0382J REVISED 12/07/2018. THE SAID FLOOD INSURANCE RATE MAP IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
14. ADJOINING PROPERTY INFORMATION WAS OBTAINED FROM ST JOHNS COUNTY PROPERTY APPRAISERS OFFICE.
15. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS TO LOCATE ITEMS WITHIN PUBLIC DIRT PARKING AREA FOR FUTURE IMPROVEMENTS.
16. THE BOUNDARY LINES SHOWN HEREON ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE INTENDED TO SHOW APPROXIMATE BOUNDARY LOCATION. BOUNDARY INFORMATION WAS PROVIDED BY A SURVEY PERFORMED BY LAND TECH AND ASSOCIATES, PROJECT NO. 17-0951, DATED: 12/07/2018.
17. BEACH BLVD A1A RIGHT OF WAY AS DEFINED BY ST JOHNS COUNTY RIGHT OF WAY DWG FILE, ON FILE IN THE ST JOHNS COUNTY SURVEYOR'S OFFICE GIS DATABASE.



Symbol Legend		Abbreviation Legend	
Symbol	Denotes	Symbol	Denotes
○	BENCHMARK	FND	FOUND
●	FOUND IRON ROD / PIPE AS NOTED	PID #	PROPERTY IDENTIFICATION NUMBER
○	SET 5/8" IRON ROD "LB 734"	ELEV	ELEVATION
○	4" x 4" CONCRETE MONUMENT	NO ID	NO IDENTIFICATION
○	WOOD UTILITY POLE	PSM	PROFESSIONAL SURVEYOR & MAPPING
○	GLY ANCHOR	LB	LICENSED BUSINESS
○	MAILBOX	EP	EDGE OF PAVEMENT
○	OVERHEAD UTILITY LINE	RAW	RIGHT OF WAY
○	FIRE HYDRANT	ORB	OFFICIAL RECORDS
○	LIGHT POLE	PS	PAGE
○	COMMUNICATION UTILITY	NAVD 88	NORTH AMERICAN VERTICAL DATUM 1988
○	DRAINAGE MANHOLE	N.S.E.W.	STATE PLANE COORDINATE SYSTEM
○	SEWER MANHOLE	IRCS	IRON ROD AND CAP SET
○	GATE VALVE	TW	TOP OF WALL
○	SIGN	BW	BOTTOM OF WALL
○	CHAIN OR WIRE FENCE LINE	EP	EDGE OF PAVEMENT
○	WOOD OR VINYL FENCE LINE	TC	TOP OF CURB

HATCH LEGEND

ASPHALT PAVEMENT	CONCRETE	DIRT HATCH	GRAVEL HATCH
------------------	----------	------------	--------------

REV.	DATE	WHO	DESCRIPTION
1	10/04/2022	RDF	ADDED BEACH BLVD RIGHT OF WAY LINES

PROJECT NO: 22-0096

MAP DATE: 09/27/2022

SURVEY DATE: 09/22/2022

CHECKED BY: RDF

DRAWN BY: TJF

FIELD WORK: ADS

PAGE: 1 OF 1

Russell D Flint

Digitally signed by Russell D Flint
Date: 2022.10.04 08:07:02 -0400

RUSSELL D. FLINT, Florida PSM # 7324
Not Valid Without the Digital Signature of A Florida Licensed Surveyor & Mapper.

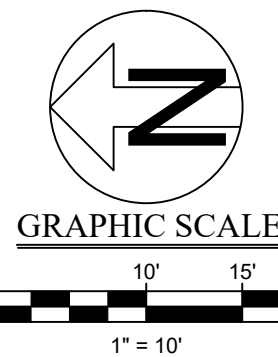
Flint Surveying & Mapping, Inc.

2892 U.S. HWY 1 SOUTH #208
ST AUGUSTINE, FL 32086
PHONE (904) 382-5448

LICENSED PROFESSIONAL
FLORIDA #7324

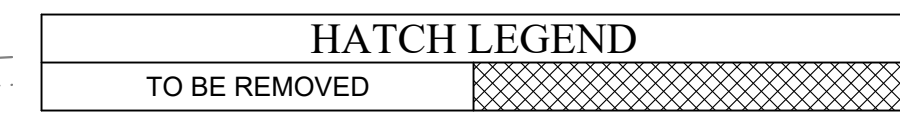
SHEET: 1
OF 1

TREE INVENTORY TABLE				
TREE NUMBER	TREE SPECIE	TRUNK STYLE	TREE DBH (IN)	PLAN OF ACTION
1171	PALM	SINGLE	12	TO BE RELOCATED
1173	PALM	SINGLE	12	TO REMAIN
1174	PALM	SINGLE	12	TO REMAIN
1175	PALM	SINGLE	12	TO REMAIN
1177	PALM	SINGLE	12	TO REMAIN
1178	PALM	SINGLE	12	TO REMAIN
1318	PALM	SINGLE	17	TO BE RELOCATED
1319	PALM	SINGLE	15	TO BE RELOCATED
TOTALS			104	



- DEMOLITION DETAILS**
- EC2 TYPE III SILT FENCE
EC3 WATTLE INLET PROTECTION

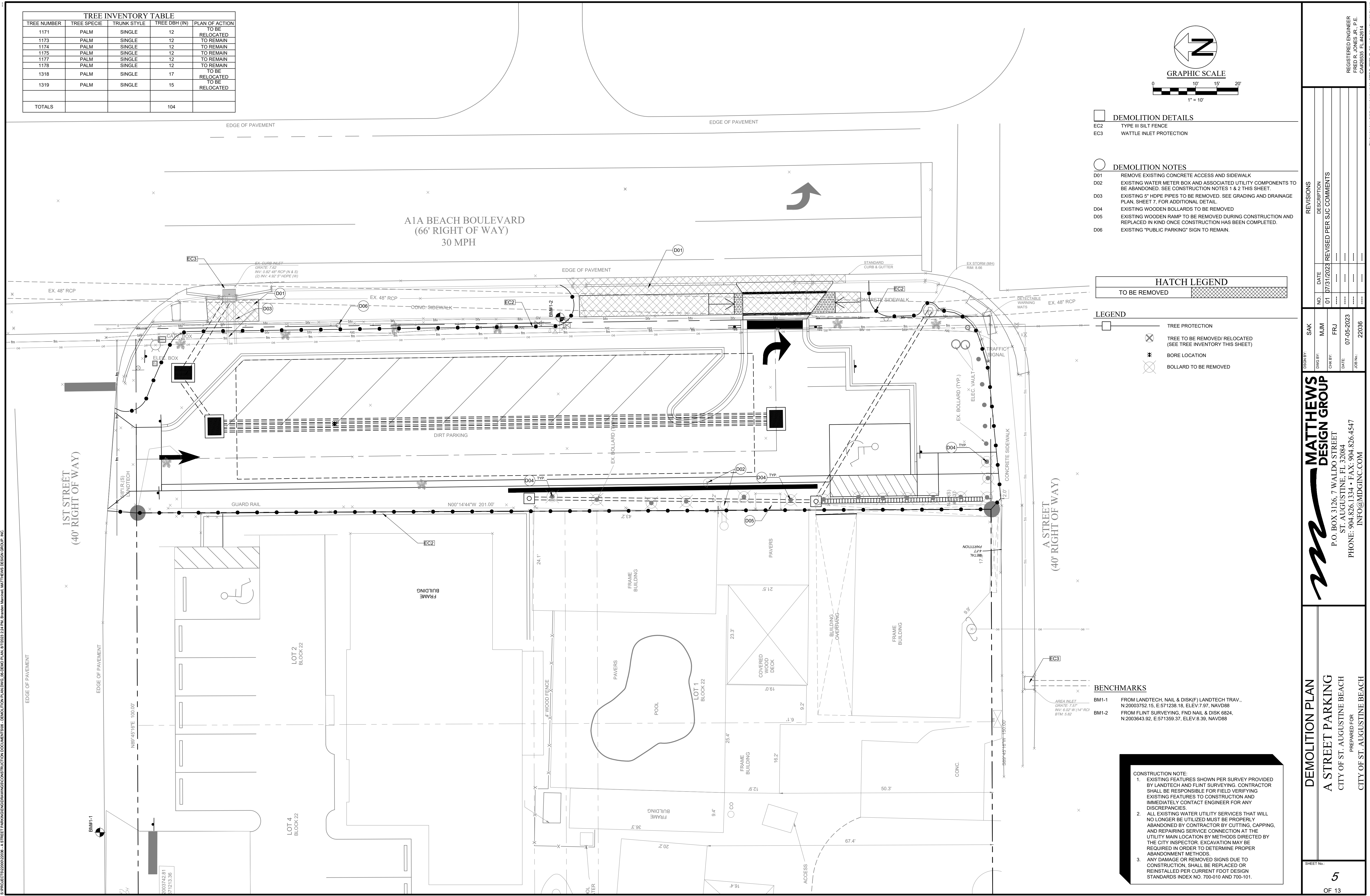
- DEMOLITION NOTES**
- D01 REMOVE EXISTING CONCRETE ACCESS AND SIDEWALK
D02 EXISTING WATER METER BOX AND ASSOCIATED UTILITY COMPONENTS TO BE ABANDONED. SEE CONSTRUCTION NOTES 1 & 2 THIS SHEET.
D03 EXISTING 5" HDPE PIPES TO BE REMOVED. SEE GRADING AND DRAINAGE PLAN, SHEET 7, FOR ADDITIONAL DETAIL.
D04 EXISTING WOODEN BOLLARDS TO BE REMOVED
D05 EXISTING WOODEN RAMP TO BE REMOVED DURING CONSTRUCTION AND REPLACED IN KIND ONCE CONSTRUCTION HAS BEEN COMPLETED.
D06 EXISTING "PUBLIC PARKING" SIGN TO REMAIN.



- LEGEND**
- TREE PROTECTION
TREE TO BE REMOVED/ RELOCATED (SEE TREE INVENTORY THIS SHEET)
BORE LOCATION
BOLLARD TO BE REMOVED

- BENCHMARKS**
- BM1-1 FROM LANDTECH, NAIL & DISK(F) LANDTECH TRAV., N20003752.15, E571238.18, ELEV:7.97, NAVD88
BM1-2 FROM FLINT SURVEYING, FND NAIL & DISK 6824, N2003643.92, E571359.97, ELEV:8.39, NAVD88

- CONSTRUCTION NOTE:**
- EXISTING FEATURES SHOWN PER SURVEY PROVIDED BY LANDTECH AND FLINT SURVEYING. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING FEATURES TO CONSTRUCTION AND IMMEDIATELY CONTACT ENGINEER FOR ANY DISCREPANCIES.
 - ALL EXISTING WATER UTILITY SERVICES THAT WILL NO LONGER BE UTILIZED MUST BE PROPERLY ABANDONED BY CONTRACTOR BY CUTTING, CAPPING, AND REPAIRING SERVICE CONNECTION AT THE UTILITY MAIN LOCATION BY METHODS DIRECTED BY THE CITY INSPECTOR. EXCAVATION MAY BE REQUIRED IN ORDER TO DETERMINE PROPER ABANDONMENT METHODS
 - ANY DAMAGE OR REMOVED SIGNS DUE TO CONSTRUCTION, SHALL BE REPLACED OR REINSTALLED PER CURRENT FOOT DESIGN STANDARDS INDEX NO. 700-010 AND 700-101.



PROJECT: 2020020208 - A STREET PARKING DEMOLITION/CONSTRUCTION DOCUMENTS; DEMOLITION PLAN; DATE: 07/20/23 2:47 PM; DESIGNER: Matthew Matthews; DESIGN GROUP, INC.

DEMOLITION PLAN
A STREET PARKING
CITY OF ST. AUGUSTINE BEACH
PREPARED FOR
CITY OF ST. AUGUSTINE BEACH

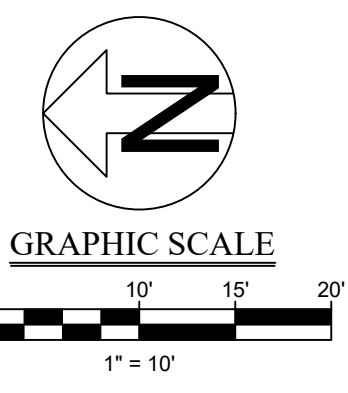
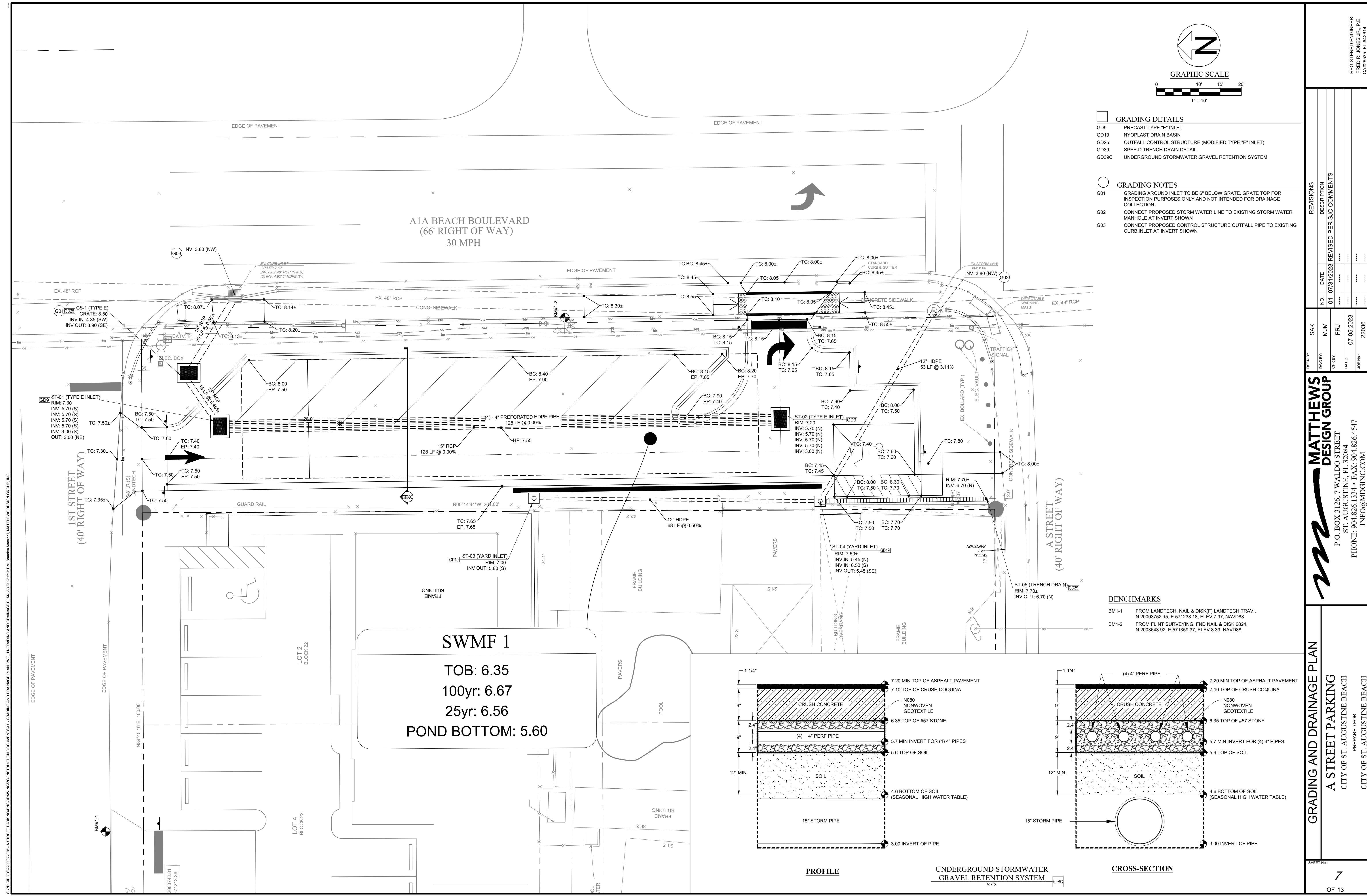
MATTHEWS DESIGN GROUP
P.O. BOX 3126, 7 WALDO STREET
ST. AUGUSTINE, FL 32084
PHONE: 904.826.1334 • FAX: 904.826.4547
INFO@MDGINC.COM

REGISTERED ENGINEER
CAREY S. FL #42614

NO.	DATE	DESCRIPTION
01	07/31/2023	REVISED PER SJC COMMENTS

DESIGN BY: SAK
DRAWN BY: M.M.
CHECKED BY: FRJ
DATE: 07-05-2023
JOB No.: 220308

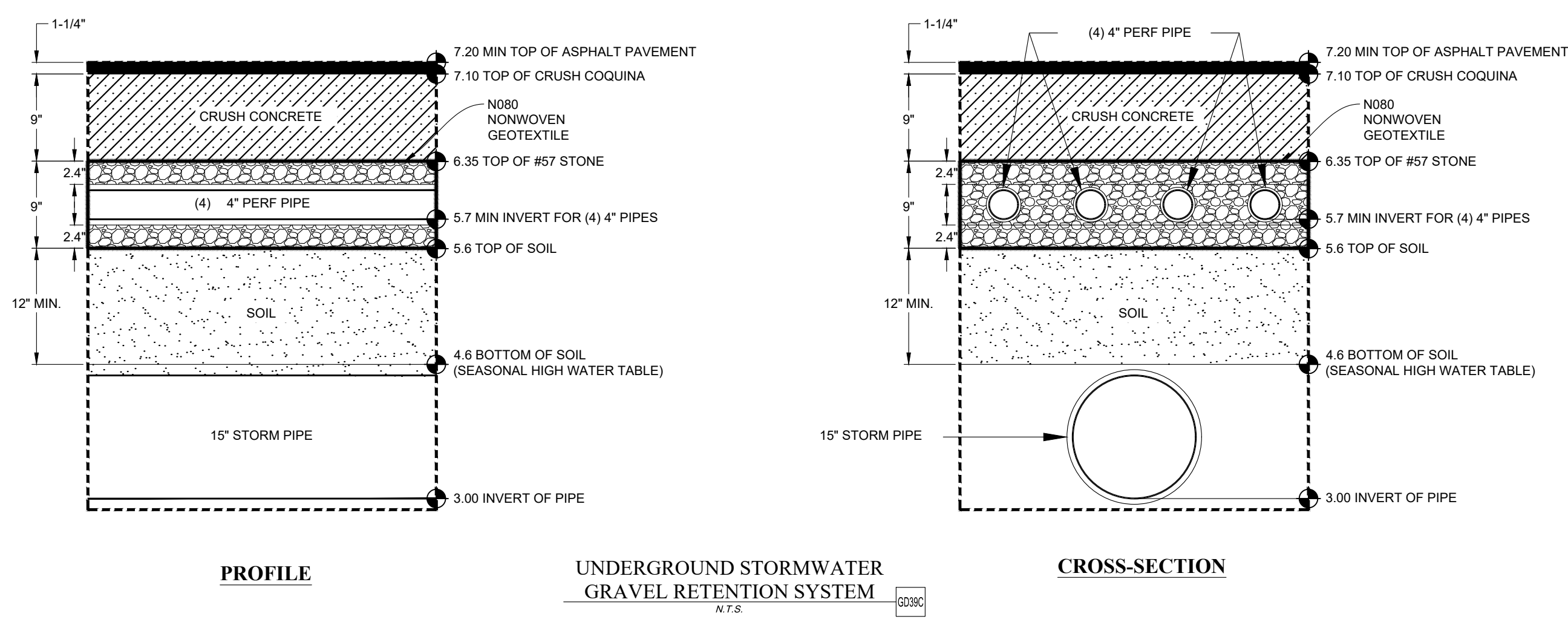




- GRADING DETAILS**
- GD9 PRECAST TYPE "E" INLET
 - GD19 NYOPLAST DRAIN BASIN
 - GD25 OUTFALL CONTROL STRUCTURE (MODIFIED TYPE "E" INLET)
 - GD39C SPEED TRENCH DRAIN DETAIL
 - GD39C UNDERGROUND STORMWATER GRAVEL RETENTION SYSTEM

- GRADING NOTES**
- G01 GRADING AROUND INLET TO BE 6" BELOW GRATE. GRATE TOP FOR INSPECTION PURPOSES ONLY AND NOT INTENDED FOR DRAINAGE COLLECTION.
 - G02 CONNECT PROPOSED STORM WATER LINE TO EXISTING STORM WATER MANHOLE AT INVERT SHOWN
 - G03 CONNECT PROPOSED CONTROL STRUCTURE OUTFALL PIPE TO EXISTING CURB INLET AT INVERT SHOWN

- BENCHMARKS**
- BM1-1 FROM LANDTECH, NAIL & DISK(F) LANDTECH TRAV., N:20003752.15, E:571238.18, ELEV:7.97, NAVD88
 - BM1-2 FROM FLINT SURVEYING, FND NAIL & DISK 6824, N:2003643.92, E:571359.37, ELEV:8.39, NAVD88



REGISTERED ENGINEER
CAROLISS, FL #42614

NO. 01
DATE 07/31/2023
REVISIONS

DESCRIPTION
REVISED PER SJC COMMENTS

SAK
M.M.

DATE 07-05-2023

22036

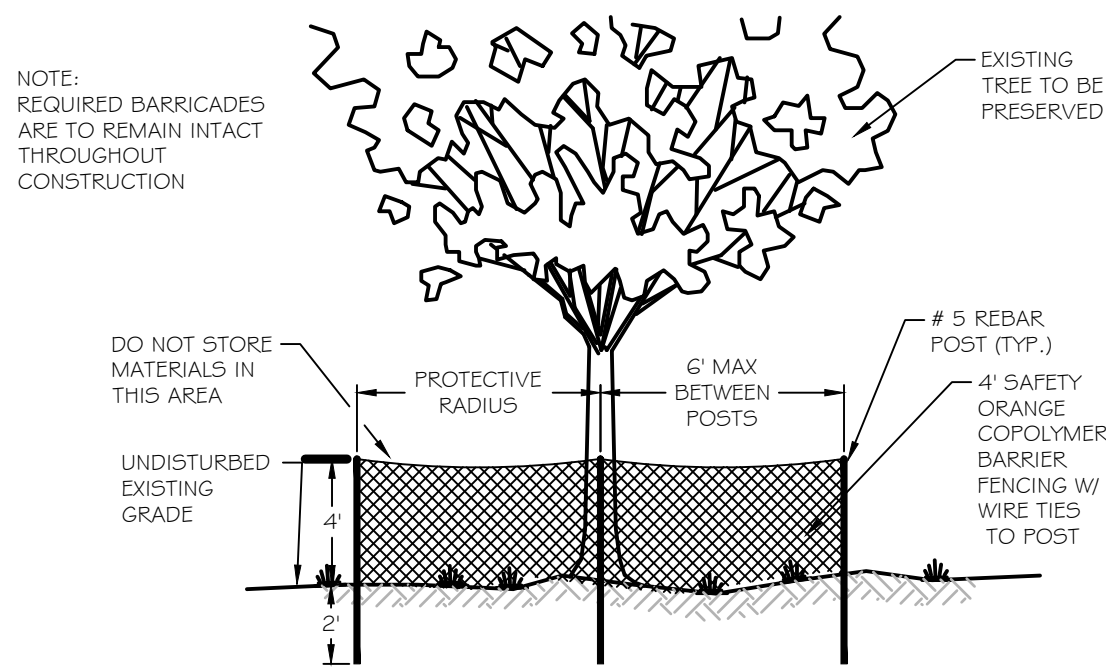
MATTHEWS DESIGN GROUP
P.O. BOX 3126, 7 WALDO STREET
ST. AUGUSTINE, FL 32084
PHONE: 904.826.1334 • FAX: 904.826.4547
INFO@MDGINC.COM

GRADING AND DRAINAGE PLAN
A STREET PARKING
CITY OF ST. AUGUSTINE BEACH
PREPARED FOR
CITY OF ST. AUGUSTINE BEACH

SHEET NO. 7
OF 13

C:\PROJECTS\2020\20202020\A STREET PARKING\DRAWINGS\CONSTRUCTION DOCUMENTS\1 - GRADING AND DRAINAGE PLANS\1 - GRADING AND DRAINAGE PLANS - MATTHEWS DESIGN GROUP, INC.

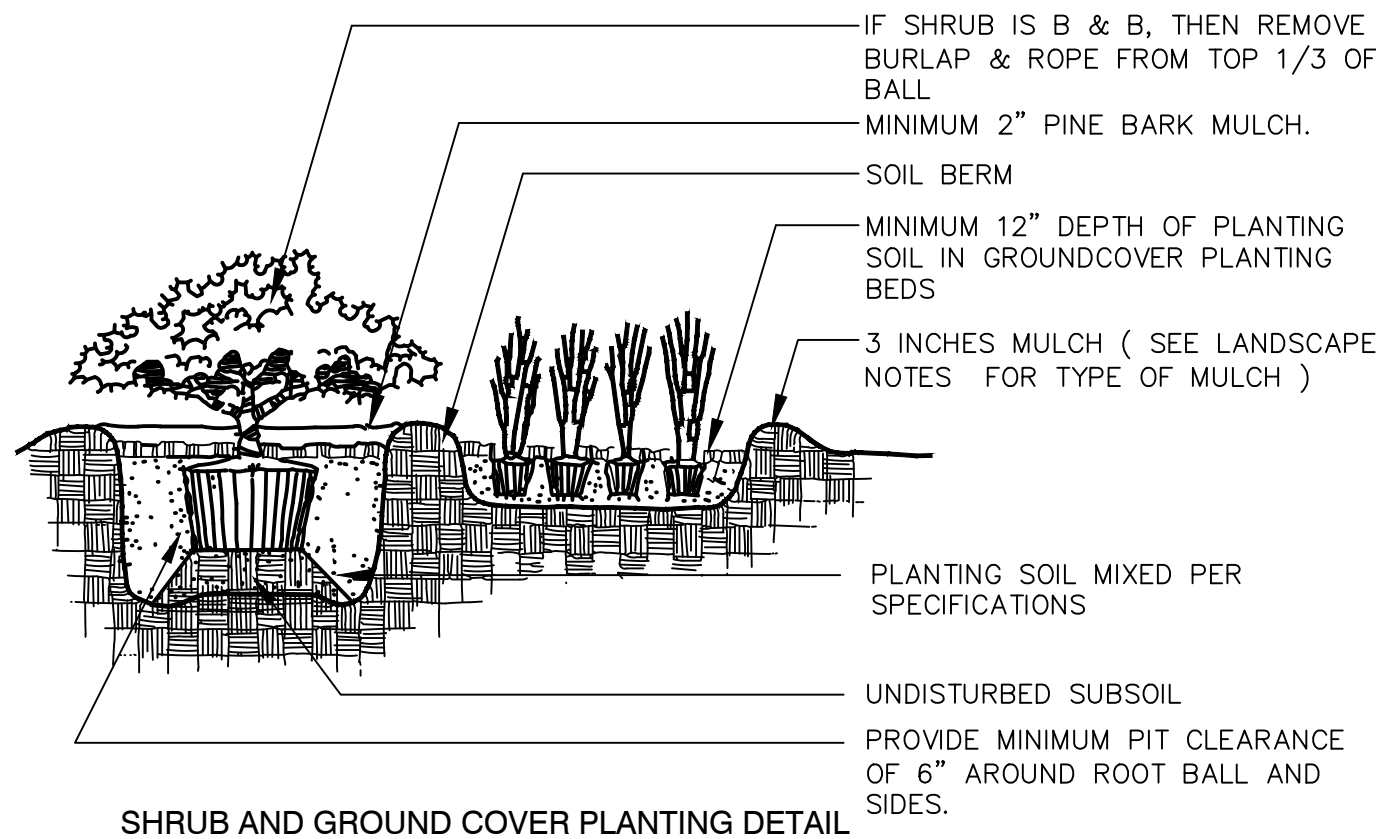
C:\PROJECTS\2020\20200208 - A STREET PARKING\DWG\LANDSCAPE\CONSTRUCTION DOCUMENTS\LANDSCAPE PLANS\13 - 07/2023 2:25 PM - Barbra Matthews MATTHEWS DESIGN GROUP, INC.



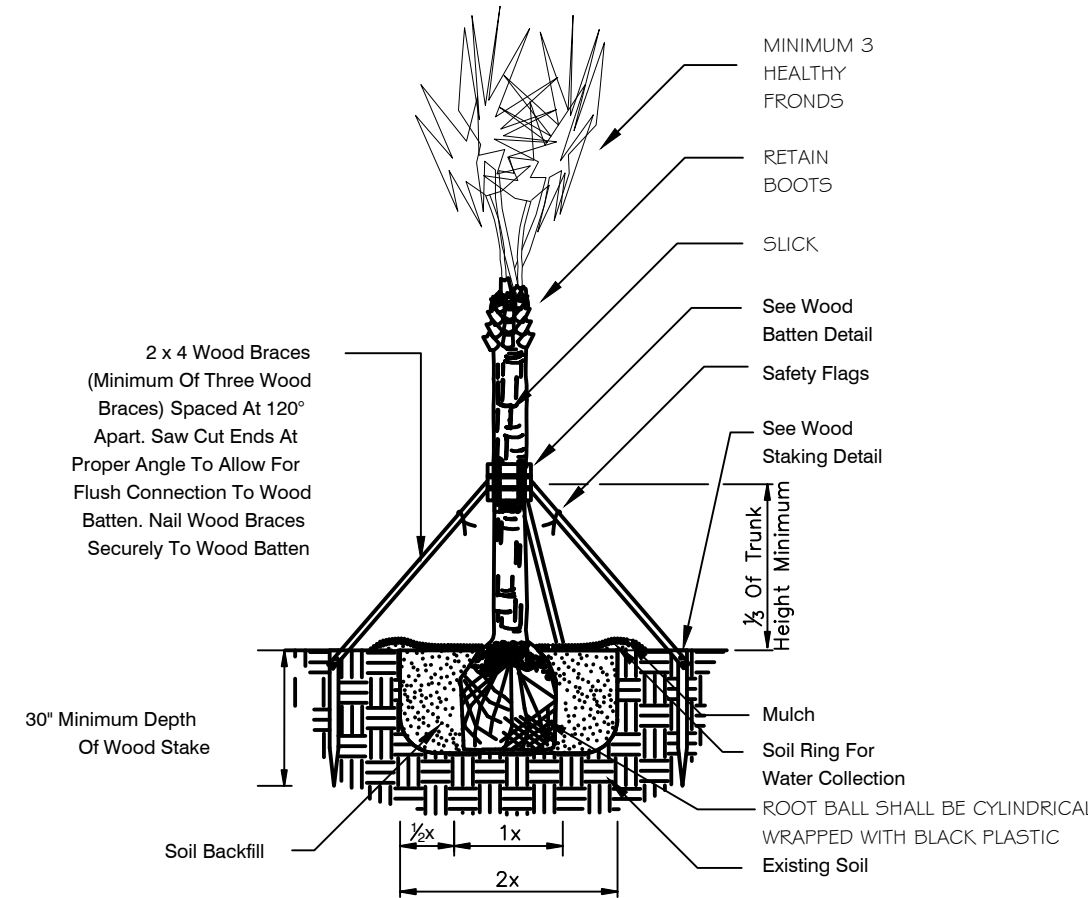
ALL PROTECTED TREES, PRESERVED UNDERSTORY VEGETATION, AND TREES RETAINED FOR TREE CREDIT SHALL BE PROTECTED FROM INJURY DURING ANY LAND CLEARING AND CONSTRUCTION PROCESS IN THE FOLLOWING MANNER.

1. THE MINIMUM UNDISTURBED AREA SHALL BE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT. DURING DEVELOPMENT ACTIVITY, ENCROACHMENT INTO THE UNDISTURBED AREA FOR PROPOSED ACTIVITY DESCRIBED IN CC LDC 6-2(5)(E), MAY BE PERMITTED UP TO 25% OF THE RADIUS OR UP TO 50% OF THE RADIUS ON ONE SIDE BUT NOT CLOSER THAN 6 FEET TO THE TRUNK OF THE TREE IN ALL EVENTS.
2. A TEMPORARY BARRIER SHALL BE CONSTRUCTED TO PREVENT DISTURBANCE OF THE SOIL EQUAL TO MINIMUM UNDISTURBED AREA. THE BARRIERS SHALL BE IN PLACE PRIOR TO LAND CLEARING AND REMAIN IN PLACE THROUGHOUT CONSTRUCTION.
3. THE DEVELOPER SHALL NOT CAUSE OR ALLOW THE CLEANING OF EQUIPMENT, STORAGE OR DISPOSAL OF MATERIALS OR WASTE MATERIALS SUCH AS PAINT, SOLVENTS, ASPHALT, CONCRETE, MORTAR, OR ANY OTHER MATERIAL THAT MAY ENDANGER THE HEALTH OF TREES OR VEGETATION WITHIN THE MINIMUM UNDISTURBED AREAS OF PROTECTED TREES.
4. THE MINIMUM UNDISTURBED AREA SHALL BE MAINTAINED AT ITS ORIGINAL GRADE WITH NO TRENCHING OR CUTTING OF ANY ROOTS, AND THERE SHALL BE NO STORAGE OF FILL OR COMPACTION OF SOIL. IN NO EVENT SHALL MOTORIZED VEHICLES OR EQUIPMENT BE ALLOWED TO PARK ON OR TRAVERSE THAT AREA WITHIN THE MINIMUM UNDISTURBED AREA OF THE PROTECTED TREES, NOR SHALL ANY DIRT OR OTHER MATERIALS BE STORED WITHIN THE BARRIERS.
5. NO ATTACHMENT, WIRES (OTHER THAN PROTECTIVE GUY WIRES), SIGNS OR PERMITS SHALL BE FASTENED TO A TREE.
6. ALL CLEARING AND GRUBBING WITHIN PROTECTED TREE AREA WILL BE DONE WITH HAND TOOLS ONLY.
7. ALL ROOT SYSTEMS OUTSIDE THE PROTECTIVE RADIUS WHICH OCCUR IN AREAS OF PROPOSED IMPROVEMENTS SHALL BE PRUNED BY A QUALIFIED TREE SURGEON PRIOR TO EXCAVATION.

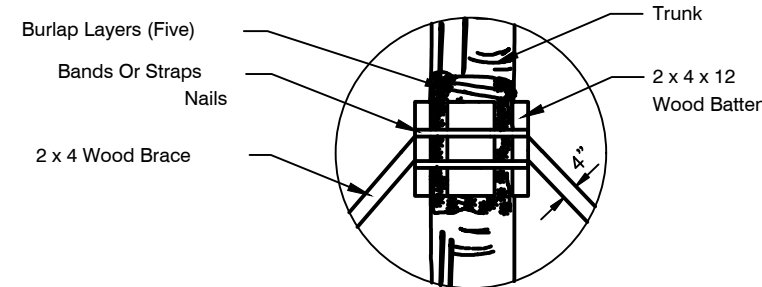
TREE PROTECTION FENCING / MIN. UNDISTURBED AREAS



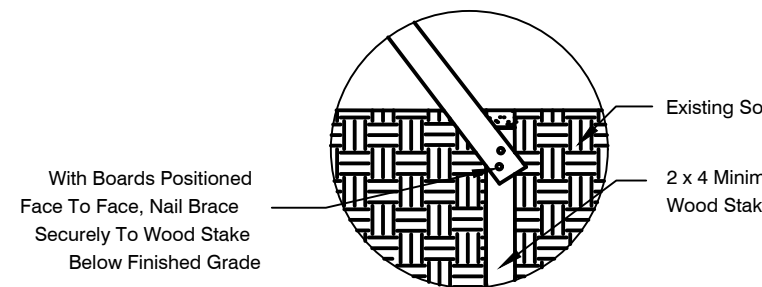
SHRUB AND GROUND COVER PLANTING DETAIL



REGENERATED SABAL PALM PLANTING FOR UP TO 24' CLEAR TRUNK



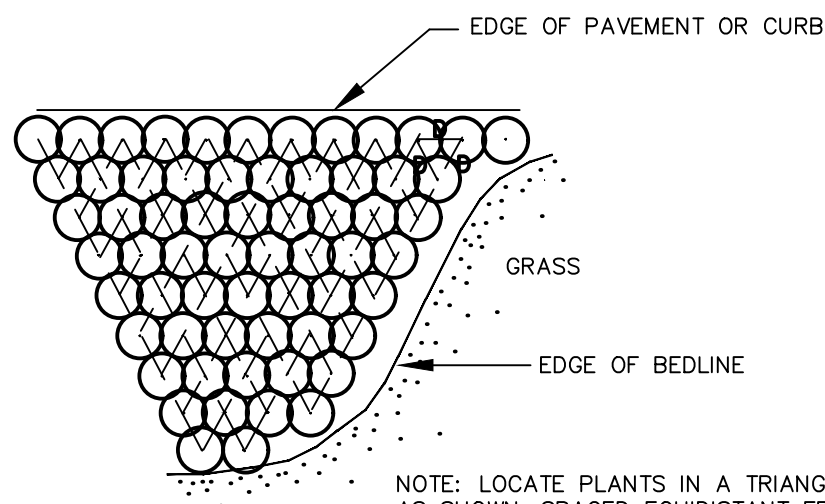
WOOD BATTEN DETAIL



NOTE: Stake Into Firm, Existing Soil.
WOOD STAKING DETAIL

00 PALM PLANTING 1/4" = 1'-0"

DETAIL-FILE



NOTE: LOCATE PLANTS IN A TRIANGULAR PATTERN AS SHOWN, SPACED EQUIDISTANT FROM EACH OTHER (AT SPACING SPECIFIED IN THE PLANT LIST).

SHRUB/GROUNDCOVER SPACING PLAN

PLANTING NOTES

1. The LANDSCAPE CONTRACTOR is responsible for verifying project site conditions and all quantities indicated on these plans before commencing any work. LANDSCAPE CONTRACTOR shall notify the LANDSCAPE ARCHITECT if soil conditions are poorly drained to determine if substitution of materials is necessary.
2. All plant material shall be Florida Grade No. 1 or better nursery grown in accordance to Florida Grades and Standards.
3. All plant material shall be container grown or B&B. B&B materials shall be "hardened off" root pruned during field production and shall be dug at least several weeks before.
4. Plants shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They shall be free of disease, insects, eggs or larvae and shall have healthy, well developed root systems. They shall be free from physical damage or adverse conditions that would prevent thriving growth.
5. Substitution of plant materials will not be permitted unless authorized in writing by the LANDSCAPE ARCHITECT. If proof is submitted that any plant specified is not obtainable, a proposal will be considered for use of the nearest equivalent size or variety with corresponding adjustment of contract price.
6. LANDSCAPE CONTRACTOR shall bear final responsibility for proper surface drainage of planted areas. Any discrepancy in the drawings, obstruction on the site, or prior to work done by any other party, which the CONTRACTOR feels precludes establishing proper drainage shall be brought to the attention of the LANDSCAPE ARCHITECT for correction or relief of said responsibility.
7. Planting beds shall be cut or edged to form a uniform clean line between beds and lawn areas.
8. After all plant material in a plant bed area has been installed and approved, the areas between plants shall be raked to an even grade to conform to premulching finish grades. All planting beds and plant saucers shall then be uniformly covered with a minimum three (3) inches of #2 grade or better of PINE BARK MINI NUGGETS.
9. Before fertilization a soil and/or foliar nutrient analysis shall be performed to determine whether phosphorus fertilizer with 30% slow release nitrogen will be required. All planting bed areas shall be fertilized.
10. The LANDSCAPE CONTRACTOR is responsible for all fine grading preparation for planting. APPLY PRE-EMERGENT HERBICIDE to beds prior to planting.
 1. Rough grades will be established by the owners general contractor at approximately 3 inches below curbs, sidewalks, hardscape amenities, mowing strips and abutments. All materials shall be a minimum 30' from buildings or walks.
 2. The LANDSCAPE CONTRACTOR is responsible for fully maintaining all plant material on site during and after planting, until the work is accepted by the LANDSCAPE ARCHITECT and/or owner.
 3. The LANDSCAPE ARCHITECT, owner or owners representative shall have the right to reject any and all work which in his opinion does not meet with the requirements of the specifications at any stage of the project operation.
 4. There will be special care to all existing trees to be retained on site to avoid construction damage.
 5. Plant material soil shall be "native" soil that was removed from the planting hole. If soil is badly contaminated, good quality soil shall be used as replacement after contaminated soil has been completely removed from planting area.
 6. Sod shall be laid end to end and side to side in a staggered line to form a uniform layer. All uneven edges shall be squarely trimmed to allow close and firm fitting of each piece.
 7. Sod all disturbed areas within silt fence. Sod shall be ARGENTINE BAHIA GRASS. Grass for sodding shall be freshly cut in squares one foot wide by two feet long. Sod shall be healthy, free of insects and weeds, in naturally flourishing conditions. Dry, brown and unfresh sod will be rejected.
 - A. Prior to rolling sod spread a 1" layer of debris and weed free sand to sod surface. Roll freshly laid sod using a lightweight turf roller. Provide a true and even surface without any displacement of the sod or deformation. Where sodding on slopes, stagger the setting of the sod pieces to avoid a continuous seam along the line of flow. Tamp the outer pieces of sod to produce a feathered edge effect. Peg sod at locations where the sod may slide. Drive pegs through sod blocks into firm earth, at intervals approved by the Engineer. Remove any sod as directed by the Engineer.
 8. After sodding is completed, the entire areas shall be watered by hand or irrigation system each day for two weeks. After approximately one month of installation, sodded areas shall then be top dressed with a 15-0-15 commercial slow-release fertilizer at a rate of 6.67 pounds per 1,000 square feet of area in an evenly broad-case pattern.
 9. All plants shall be guaranteed by the LANDSCAPE CONTRACTOR to be healthy plants and in flourishing condition of active growth for ninety (90) days from final inspection and acceptance. All trees shall be guaranteed an additional one year from final inspection and acceptance.

LANDSCAPE PLAN
A STREET PARKING
CITY OF ST. AUGUSTINE BEACH
PREPARED FOR
CITY OF ST. AUGUSTINE BEACH

SHEET NO.:

9

OF 13

MATTHEWS
DESIGN GROUP
P.O. BOX 3126, 7 WALDO STREET
ST. AUGUSTINE, FL 32084
PHONE: 904.826.1334 • FAX: 904.826.4547
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NO.	DATE	DESCRIPTION
01	07/31/2023	REVISED PER SJC COMMENTS

DESIGN BY	EJL
DRAWN BY	GFM
CHECKED BY	EJL
DATE	07-05-2023
JOB NO.	22036

REGISTERED
LANDSCAPE ARCHITECT
CAREERS: FL #66687

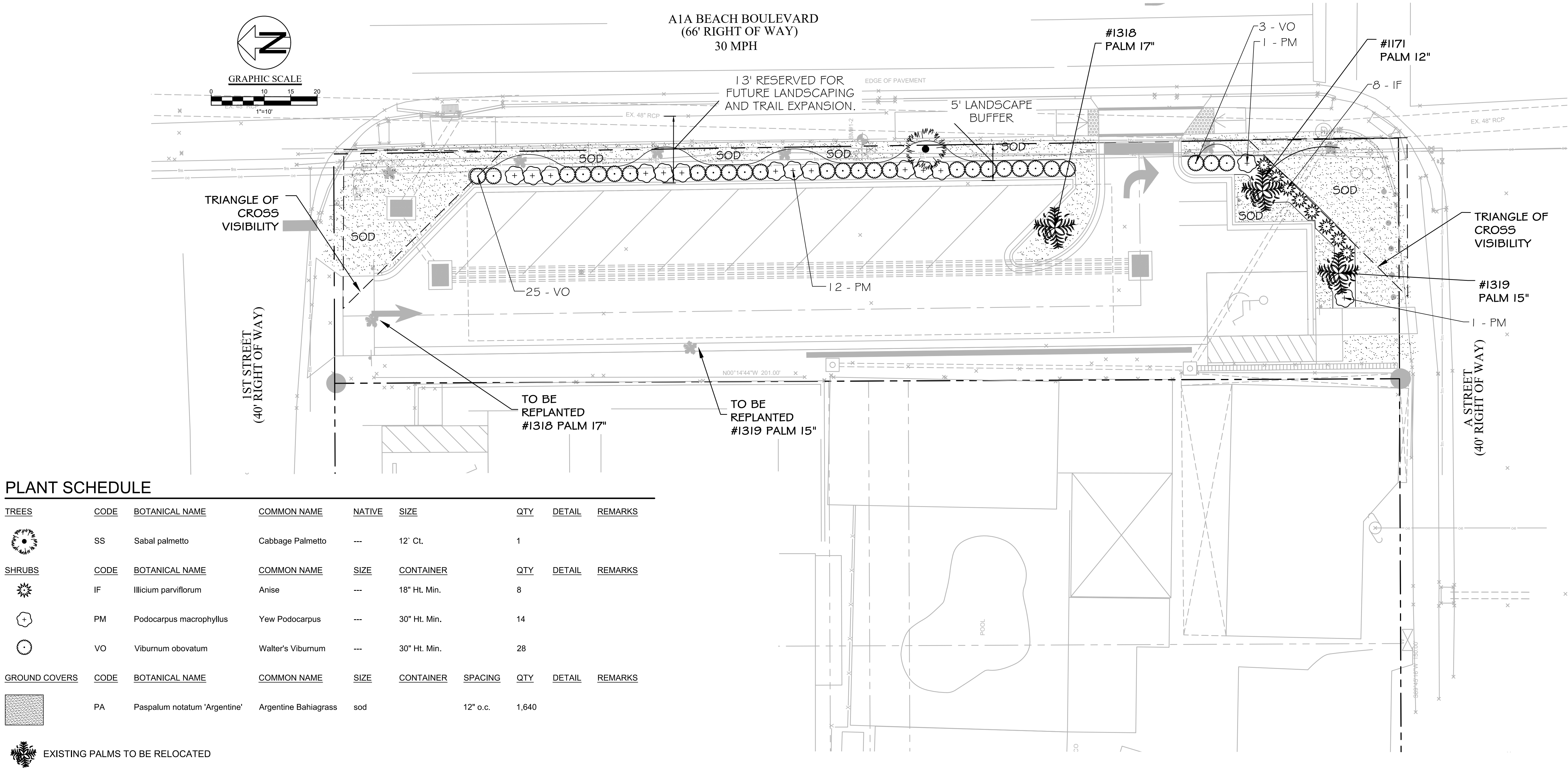
PROPOSED TREES		
Common	Size	Quantity
Cabbage Palmetto	3" Cal. / 12' Ht.	1

TREES TO REMAIN		
Tree Number	Common	Size (INCH)
1178	Cabbage Palmetto	12
1177	Cabbage Palmetto	12
1175	Cabbage Palmetto	12
1174	Cabbage Palmetto	12
1173	Cabbage Palmetto	12
TOTAL		60

TREES TO BE TRANSPLANT		
Tree Number	Common	Size (INCH)
1318	Cabbage Palmetto	17
1171	Cabbage Palmetto	12
1319	Cabbage Palmetto	15
TOTAL		44

VEHICULAR USE AREA	5,184.00 S.F.
INTERNAL LANDSCAPE AREA REQUIRED IS 5% OF PAVED AREA	259.20 S.F.
TOTAL INTERNAL LANDSCAPING AREA	1,471.00 S.F.
TOTAL PARKING AREA	5,184.00 S.F.
PERCENTAGE OF INTERNAL LANDSCAPE AREA	28%
REQUIRED 1 TREE / 100 S.F. INTERNAL LANDS	14.71 TREES
TOTAL TREES INTERNAL ISLANDS	8 EXISTING, 1 PALM PROPOSED

THIS CODE LANDSCAPE PLAN DOES NOT INCLUDE THE AUTOMATIC IRRIGATION DESIGN. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH OWNER OR OWNERS REPRESENTATIVE FOR IRRIGATION INFORMATION. THE AUTOMATIC IRRIGATION DESIGN SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION.



LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPLANTING PALMS, KEEPING PALMS WATERED AND FERTILIZED AFTER TRANSPLANTING, AND MONITORING PLANTS FOR 12 MONTHS TO ENSURE SURVIVAL. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE CLIENT AND LANDSCAPE ARCHITECT PRIOR TO REMOVING PALMS OF ANY CONCERNS REGARDING TRANSPLANTING.

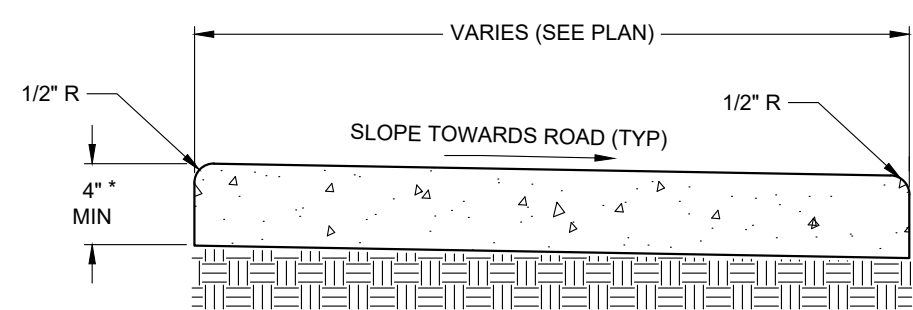
REGISTERED
LANDSCAPE ARCHITECT
CAB02635 FL #666877

NO.	DATE	DESCRIPTION
01	07/31/2023	REVISED PER SJC COMMENTS

DSGN BY:	EJL
DWG BY:	GPM
CHK BY:	EJL
DATE:	07-05-2023
JOB No.:	22036

MATTHEWS DESIGN GROUP
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ST. AUGUSTINE, FL 32084
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LANDSCAPE SPECIFICATIONS AND DETAILS
A STREET PARKING
CITY OF ST. AUGUSTINE BEACH
PREPARED FOR
CITY OF ST. AUGUSTINE BEACH



- NOTES:

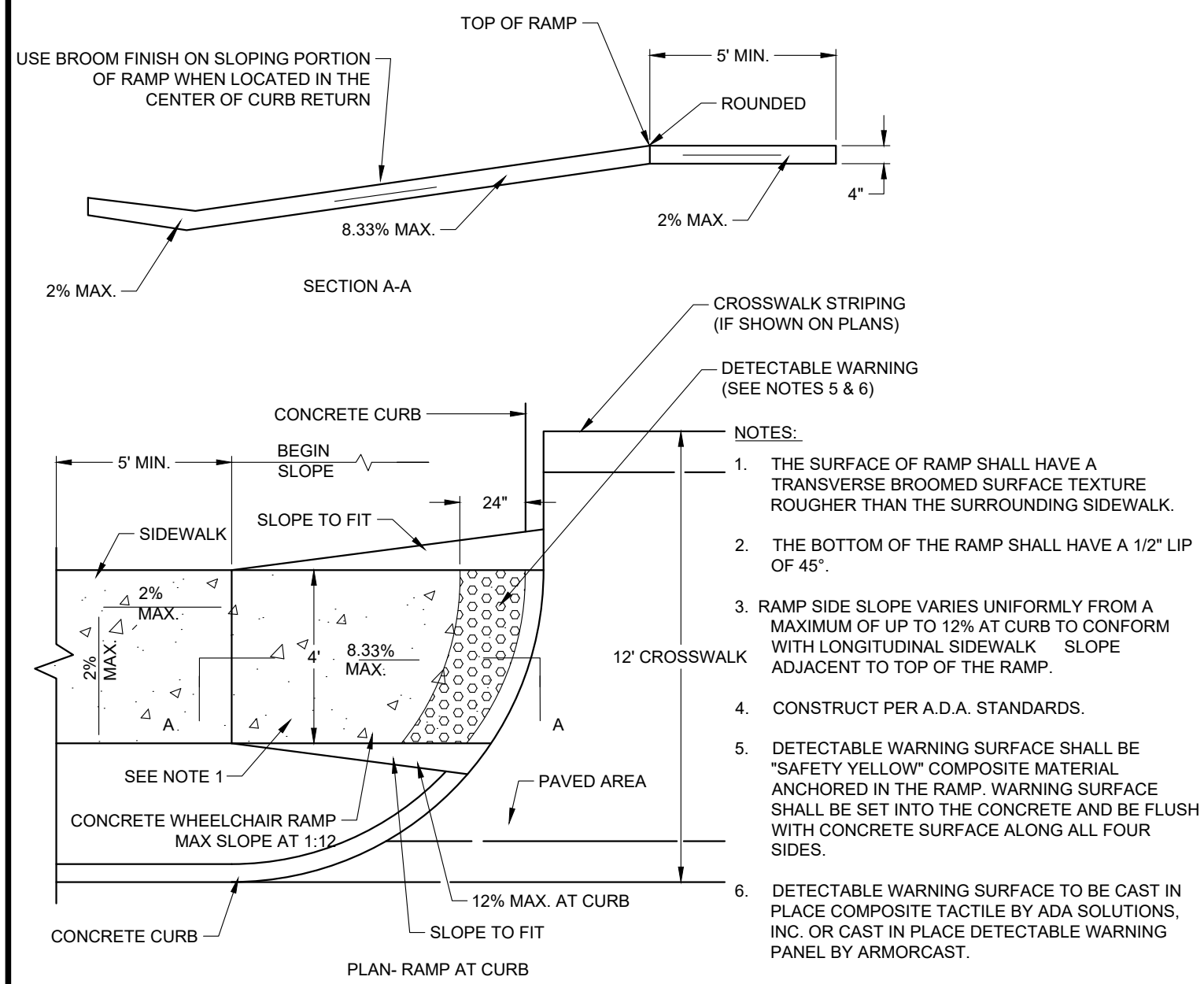
1. DISTANCE BETWEEN SCORE LINE NOT TO EXCEED 5' IN LONGITUDINAL & TRAVERSE DIRECTION IN SIDEWALK.
2. SIDEWALK IS TO BE CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI
3. MAX 2% CROSS SLOPE PER ADA

* SIDEWALK SHALL BE 6" THICK AT DRIVEWAY.

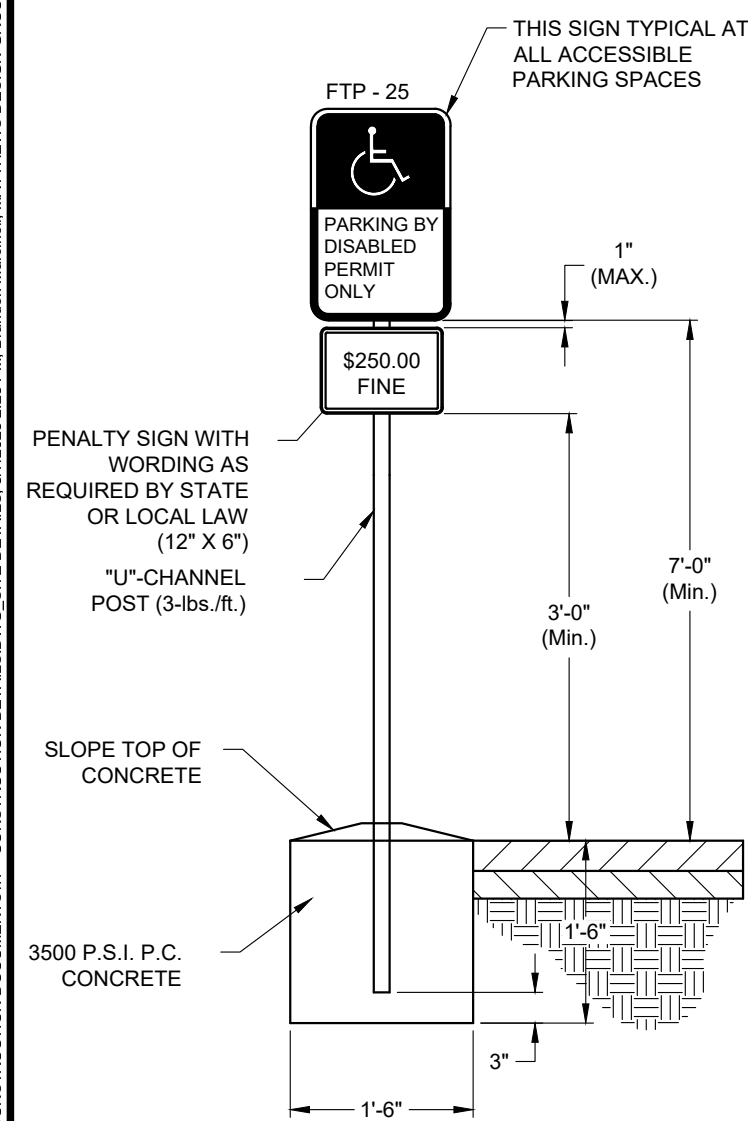
CONCRETE SIDEWALK DETAIL

N.T.S.

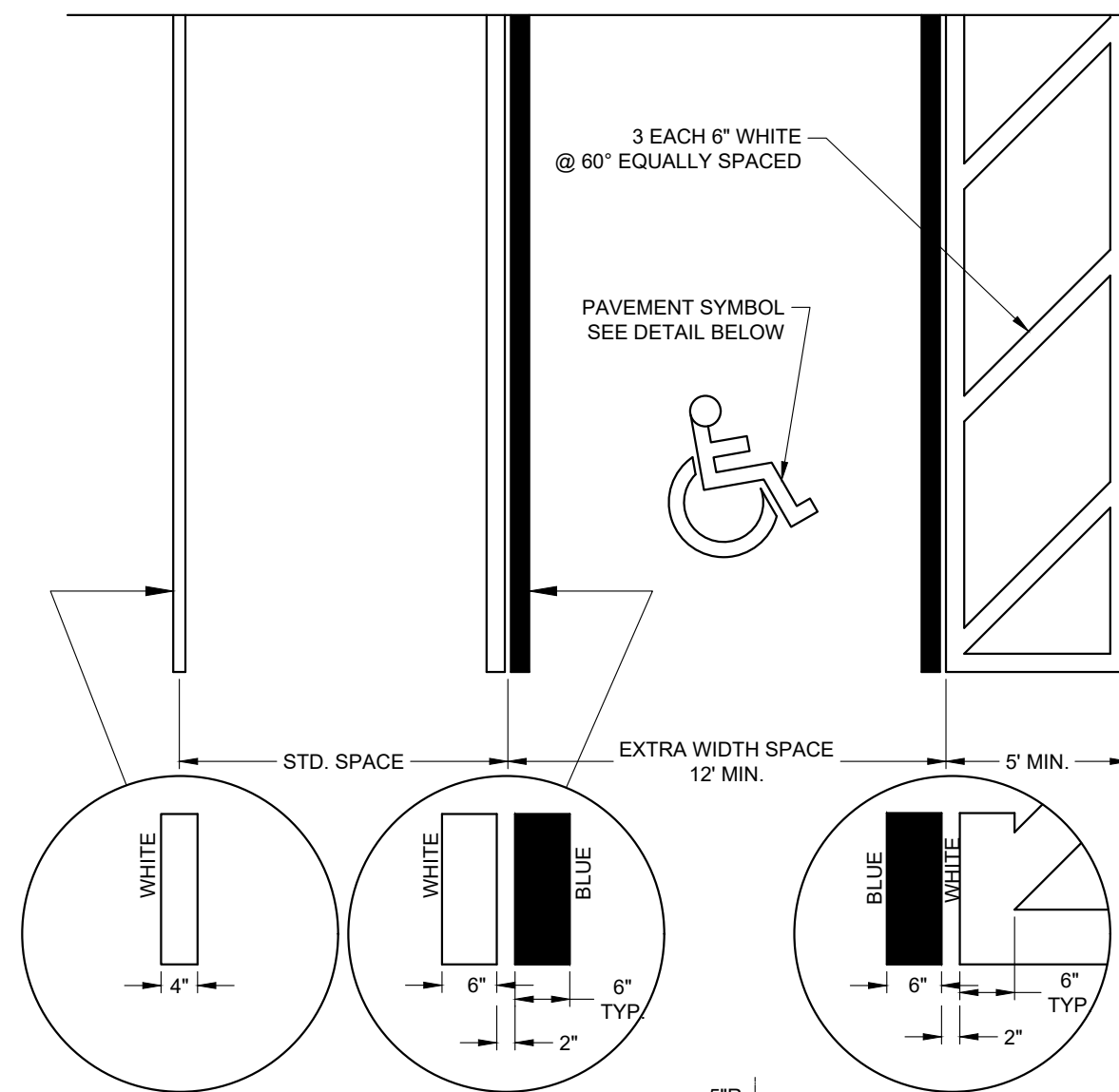
SD1



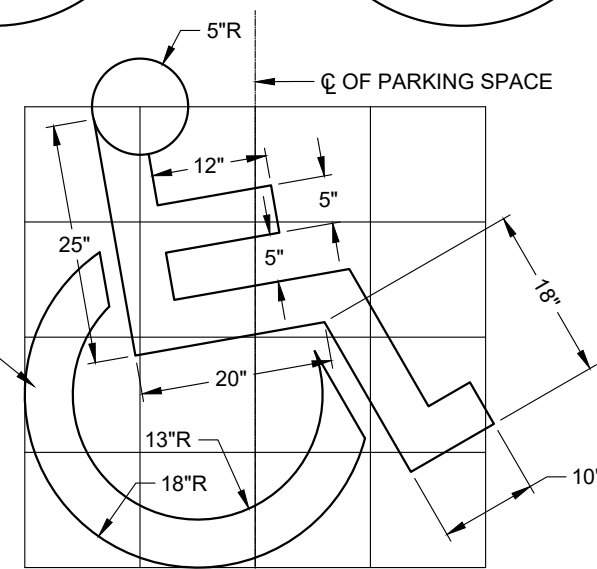
WHEELCHAIR RAMP IN SIDEWALK AT CURB RETURN



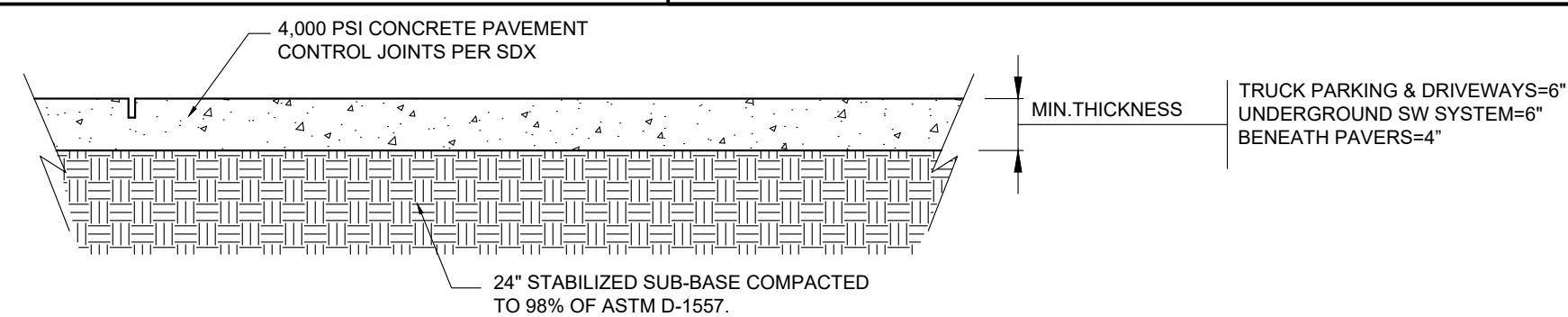
ACCESSIBLE PARKING SIGN SD1
N.T.S.



NOTE: PAVEMENT SYMBOL SHALL BE PAINTED WITH WHITE TRAFFIC PAINT WITHIN OUTLINE SHOWN



PARKING PAINT STRIPING



RECOMMENDED MAX. JOINT SPACINGS

PAVEMENT THICKNESS (INCHES)	RECOMMENDED MAXIMUM JOINT SPACING (FEET)
3.5 (FOR WHITETOPPING ONLY)	6
4.0	10
4.5	10
5.0	12
5.5	12
6.0	15
OVER 6.0	15

CURBS:

1. ALL CURBSING SHALL BE CONSTRUCTED OF CONCRETE THAT WILL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
2. ALL CONCRETE CURBS SHALL BE SPACED WITH A FULL-DEPTH, $\frac{3}{4}$ " WIDTH ISOLATION JOINT ADJACENT (UNLESS OTHERWISE NOTED) PRIOR TO PLACEMENT OF JOINT MATERIAL (EITHER FILL OR GROUT). THERE SHALL BE CONTROL JOINTS EITHER AT JOOL OR SAW CUT, MATCH PAVEMENT JOINTS, UNLESS OTHERWISE SPECIFIED, JOINTS SHALL BE FORMED WITHIN 12 HOUR OF PLACEMENT.
3. ALL CURB ENDS THAT DO NOT TIE INTO THE OTHER END SHALL TRANSITION DOWN TO PAVEMENT GRADE IN 24 INCHES.
4. CONSTRUCTION JOINT SHALL BE TIED WITH A No. 4 REBAR EXTENDED 6 INCHES INTO EACH CURB SECTION AND SHALL BE SPACED WITH A FULL-DEPTH $\frac{3}{4}$ " WIDTH ISOLATION JOINT MATERIAL.

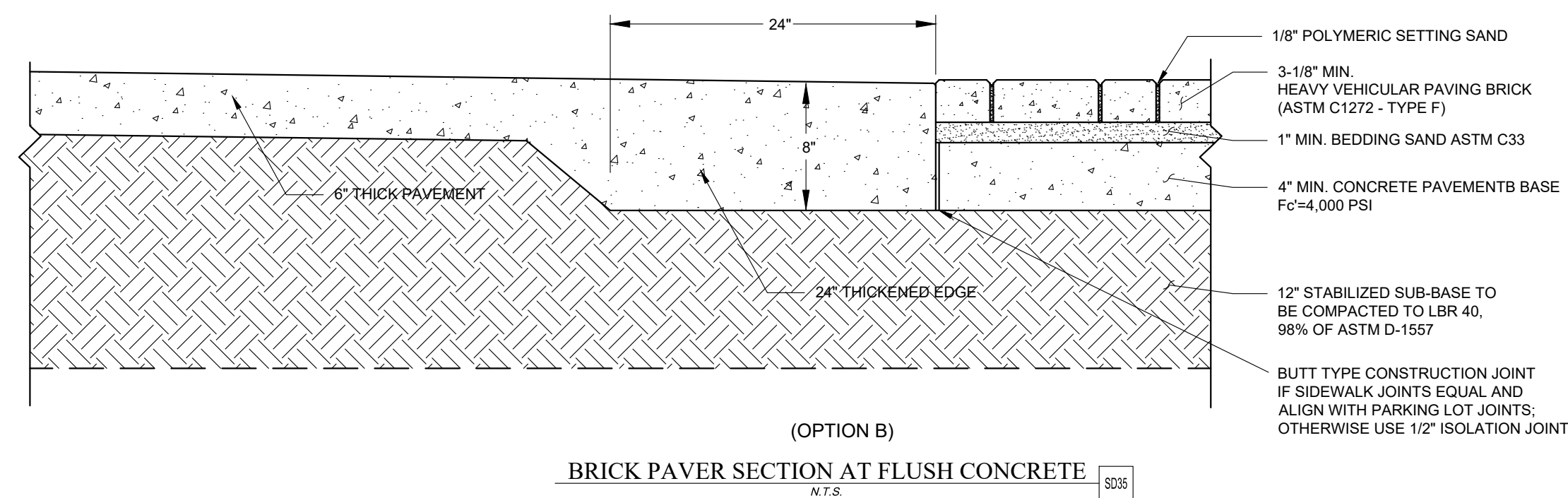
JOINT SPACING DETERMINATION

1. LAYOUT CONTROL JOINT BY STARTING WITH ANY DRAINAGE INLET WITHIN THE PAVEMENT SECTION AND WORK TOWARD EDGE OF PAVEMENT.
2. KEEP ALL JOINTS CONTINUOUS.
3. CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 12 HOURS FROM TIME OF PLACEMENT:
 - A. SIDEWALK-SPACING SHALL BE SAME AS WIDTH OF PAVEMENT AND LESS THAN 5 FEET IN LENGTH.
 - B. PAVEMENT-MAXIMUM SPACING SHALL BE 2.5 TIMES THICKNESS IN UNIT OF FEET AND LESS THAN 15 FEET IN LENGTH (E.G. D=8 INCHES, SPACING AT 12'x12').

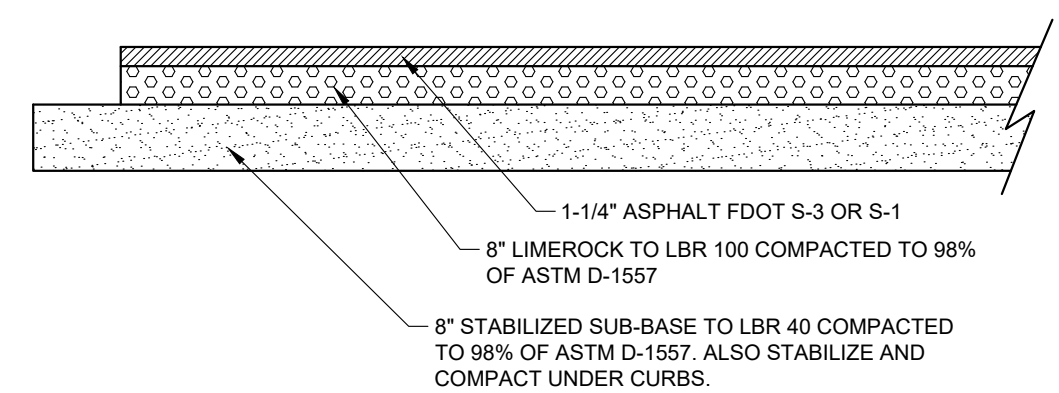
COMPACTED SUBGRADE:

1. SUBGRADE FOR PAVEMENT AREAS SHALL BE COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DRY DENSITY USING STANDARD EFFORT AS DETERMINED BY ASTM D 698 FOR A MINIMUM DEPTH OF 12 INCHES.

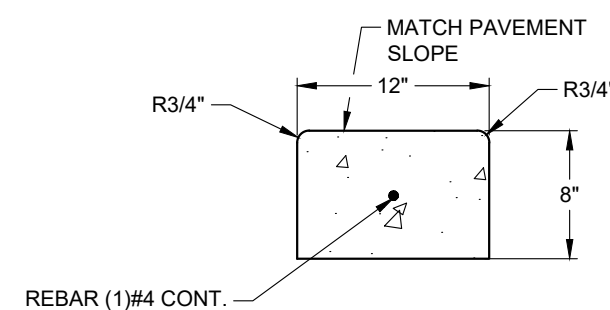
CONCRETE PAVEMENT
SECTION
N.T.S.



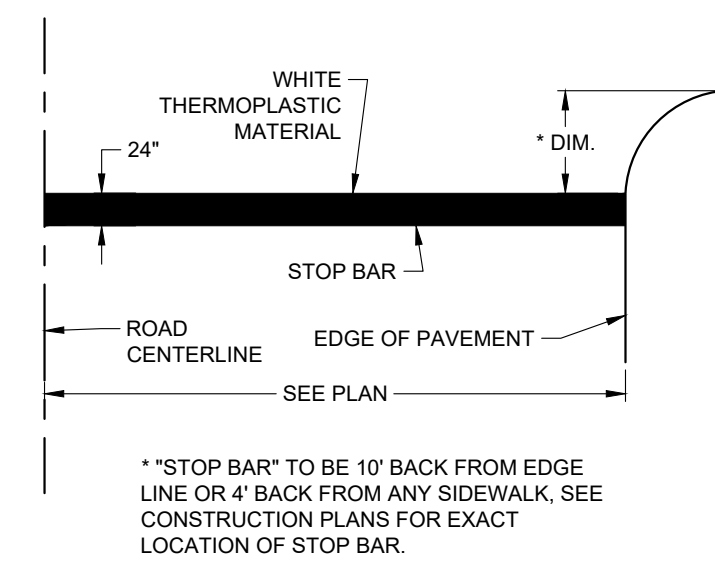
BRICK PAVER SECTION AT FLUSH CONCRETE



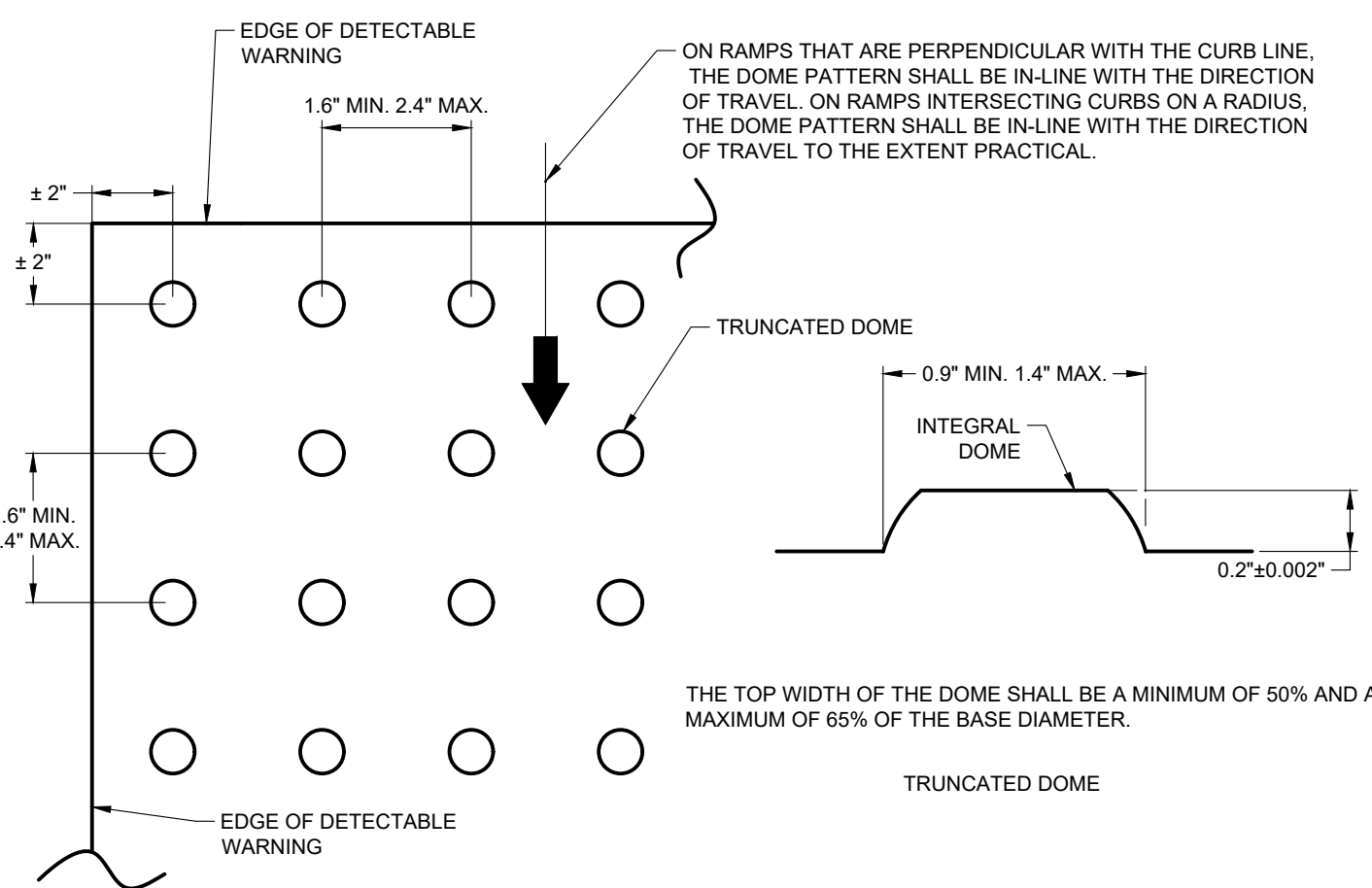
TYPICAL PAVEMENT
SECTION
N.T.S.
(OPTION A)



RIBBON CURB
N.T.S. SD14



STOP BAR SD18
N.T.S.

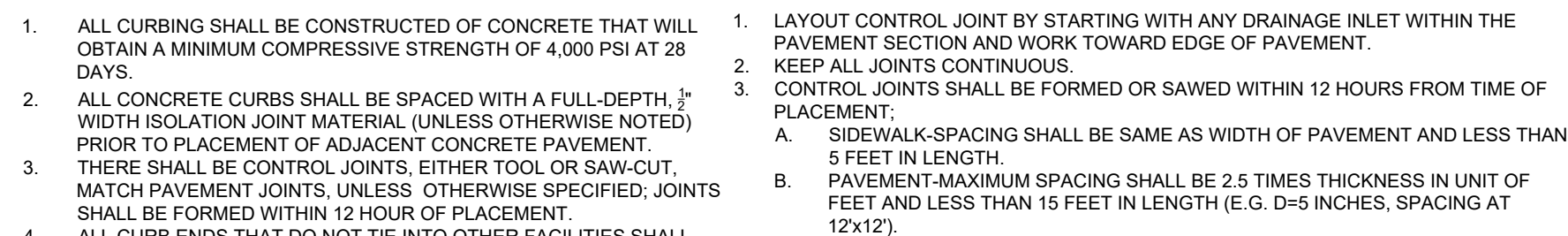


PLAN VIEW

NOTES:

1. ALL SIDEWALK CURB RAM SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAM AND IN THE DIRECTION OF TRAVEL 24 INCHES FROM THE BACK OF CURB.
2. SEE FDOT STANDARD INDEX 522-002, LATEST EDITION FOR MORE DETAILS.
3. DETECTABLE WARNING SURFACE SHALL BE "SAFETY YELLOW" COMPOSITE MATERIAL ANCHORED IN THE RAM. WARNING SURFACE SHALL BE SET INTO THE CONCRETE AND BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES.
4. DETECTABLE WARNING SURFACE TO BE CAST IN PLACE COMPOSITE TACTILE BY ADA SOLUTIONS, INC. OR CAST IN PLACE DETECTABLE WARNING PANEL BY ARMORCAST.

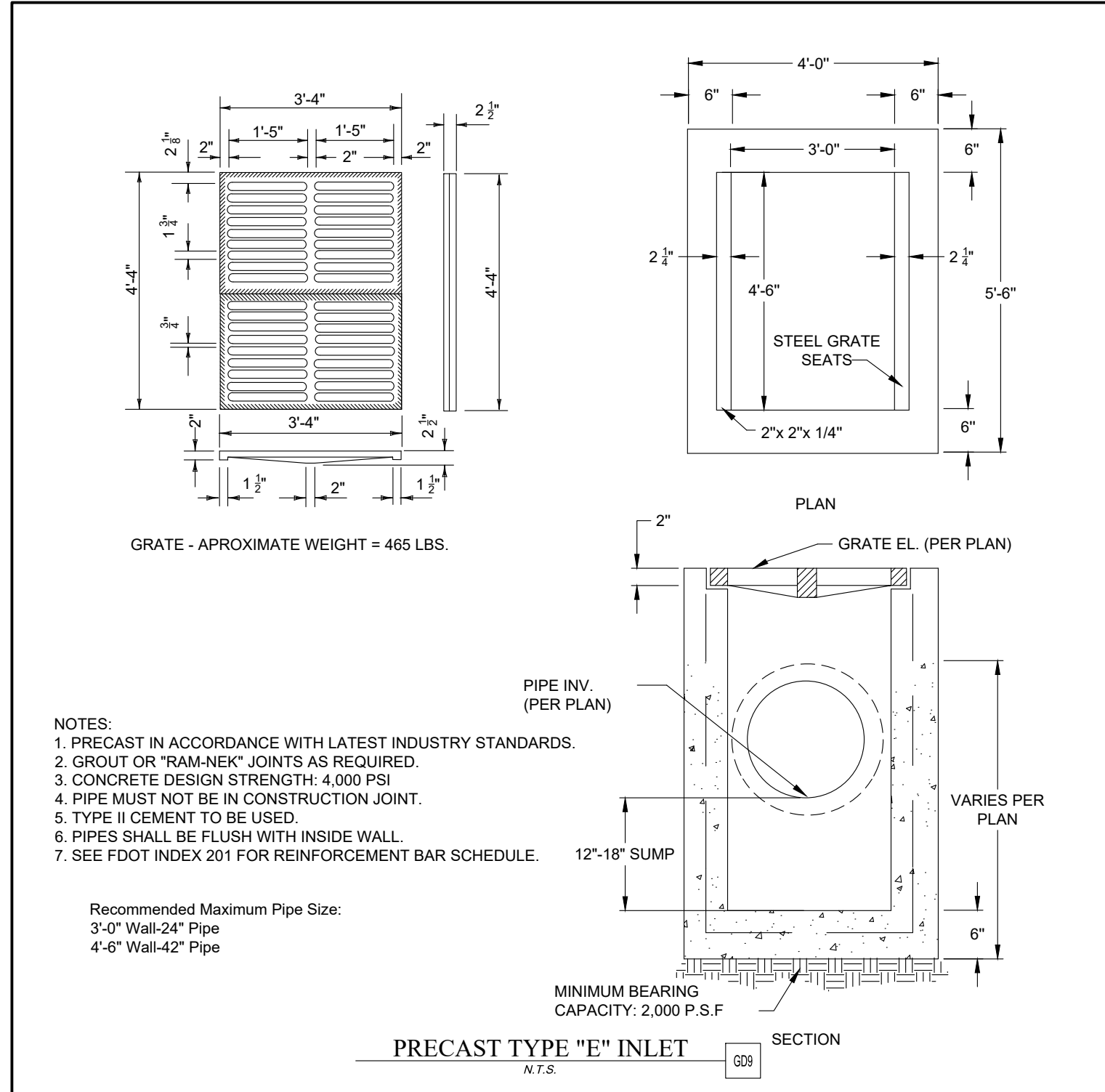
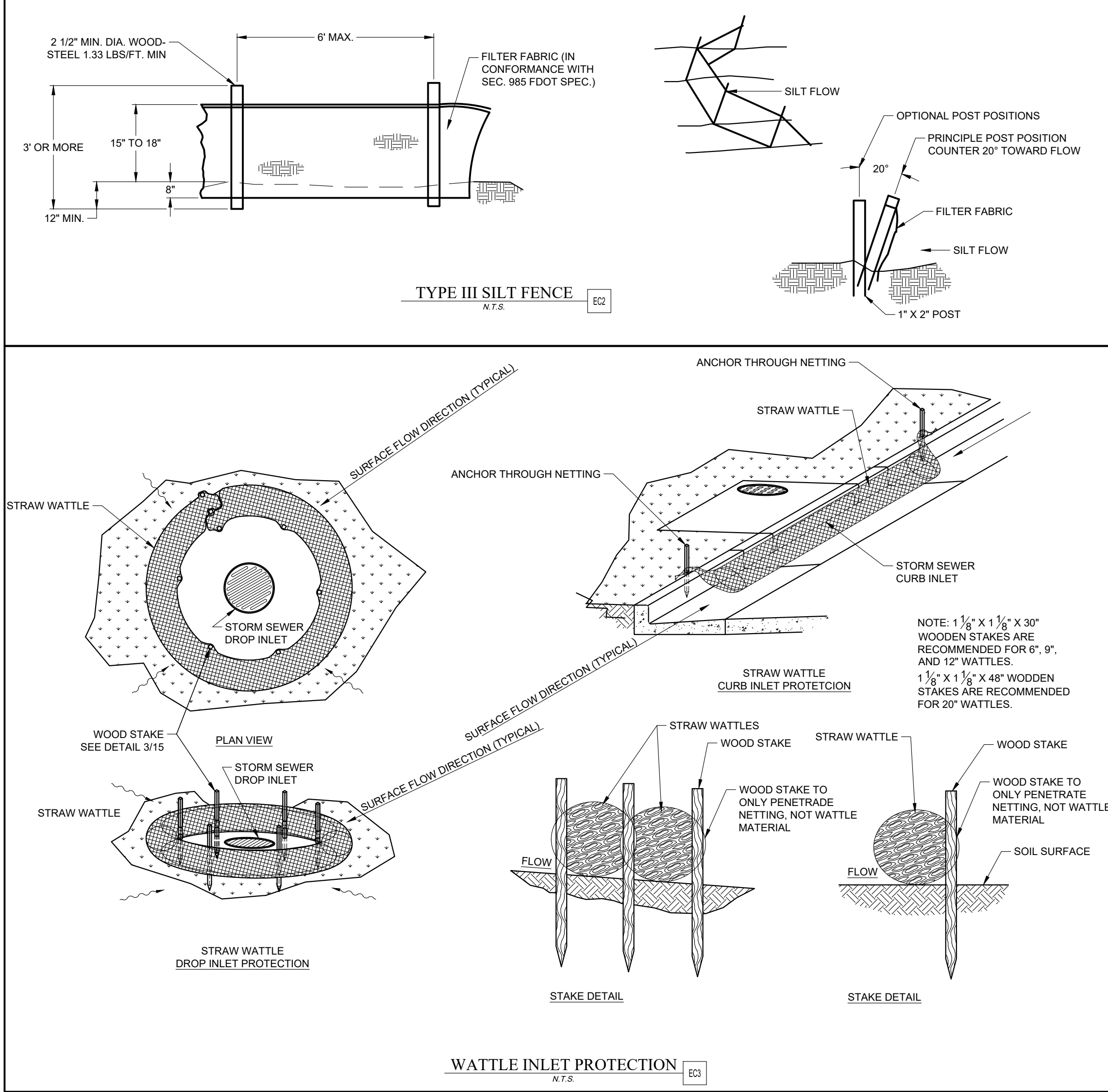
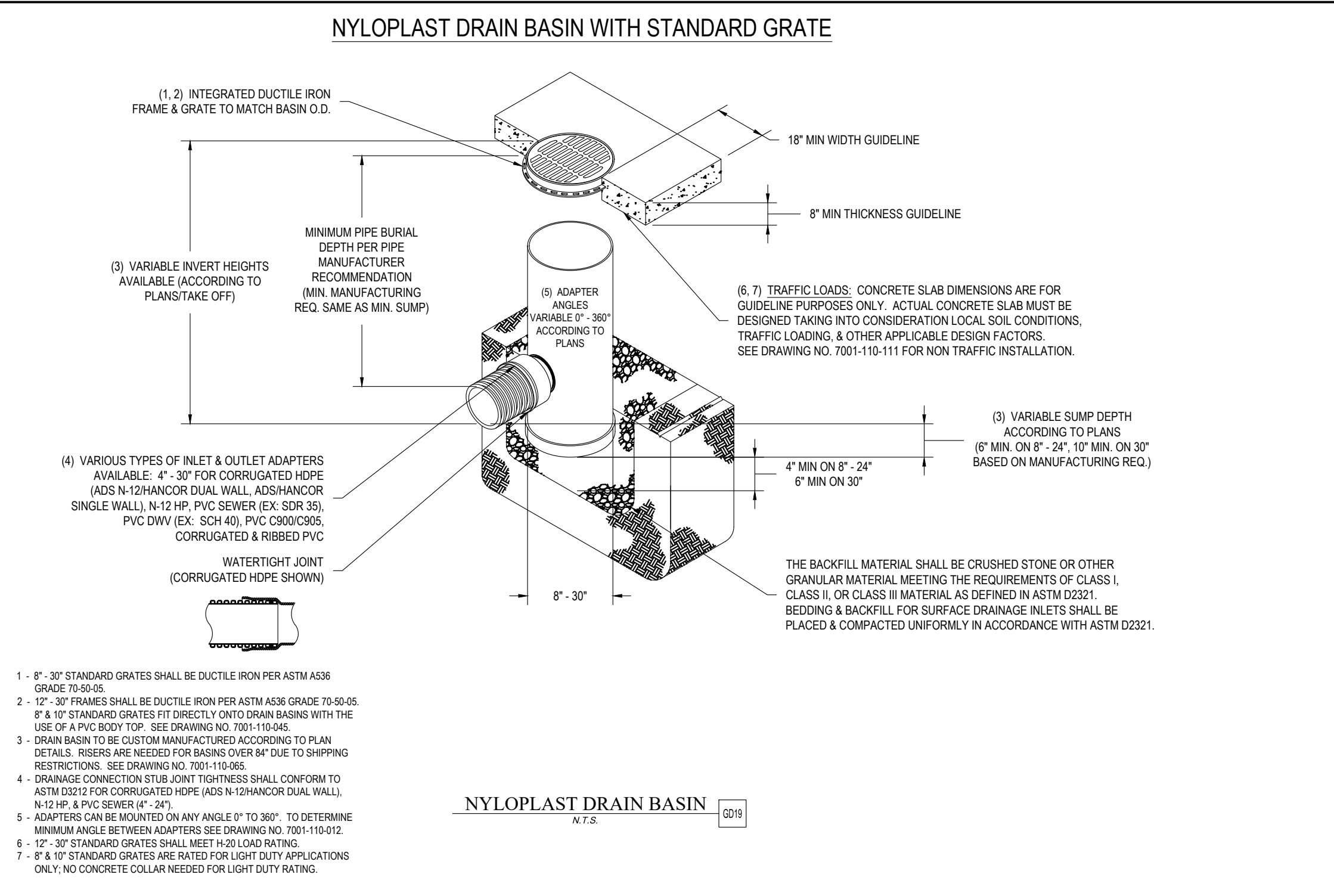
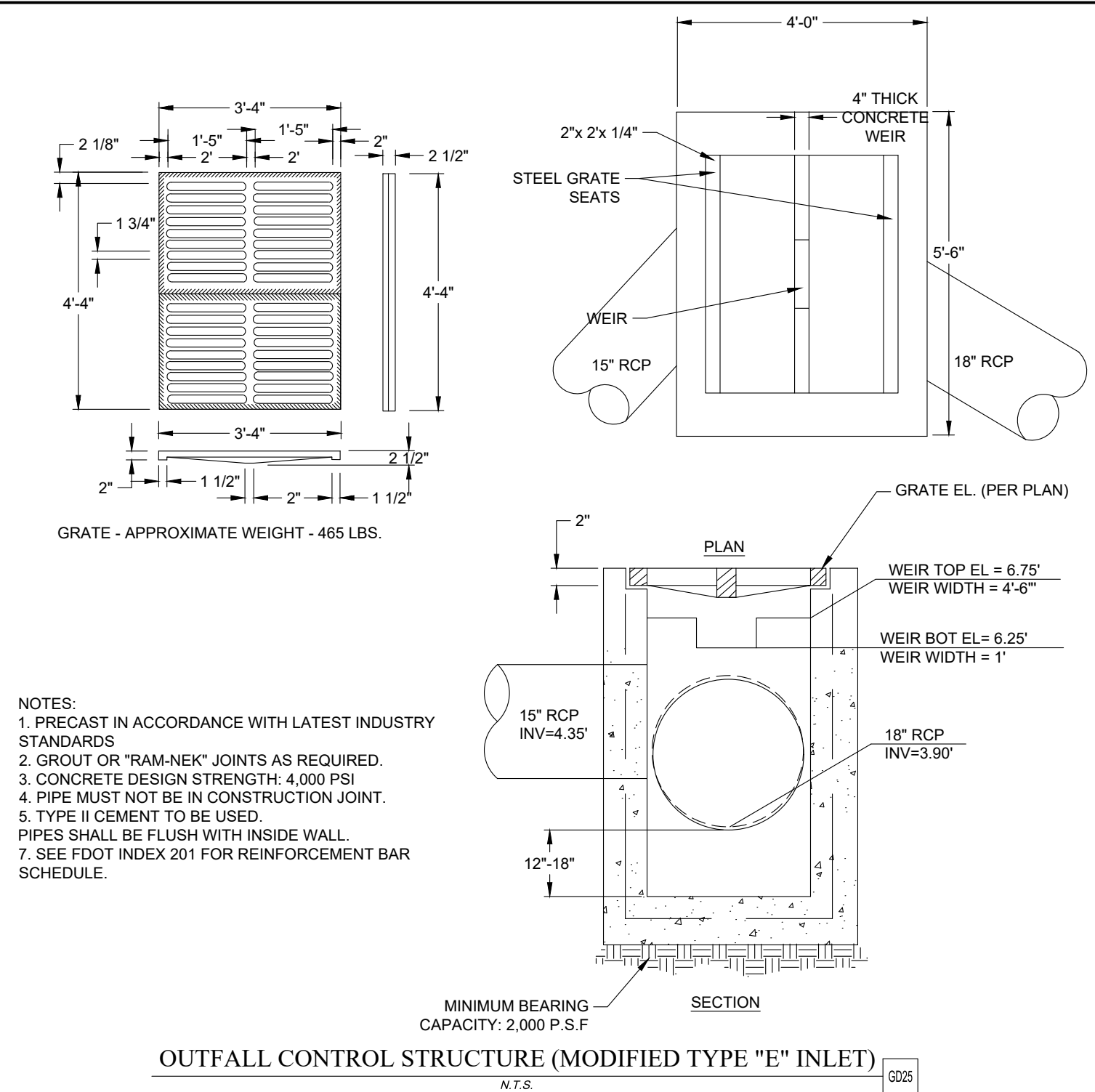
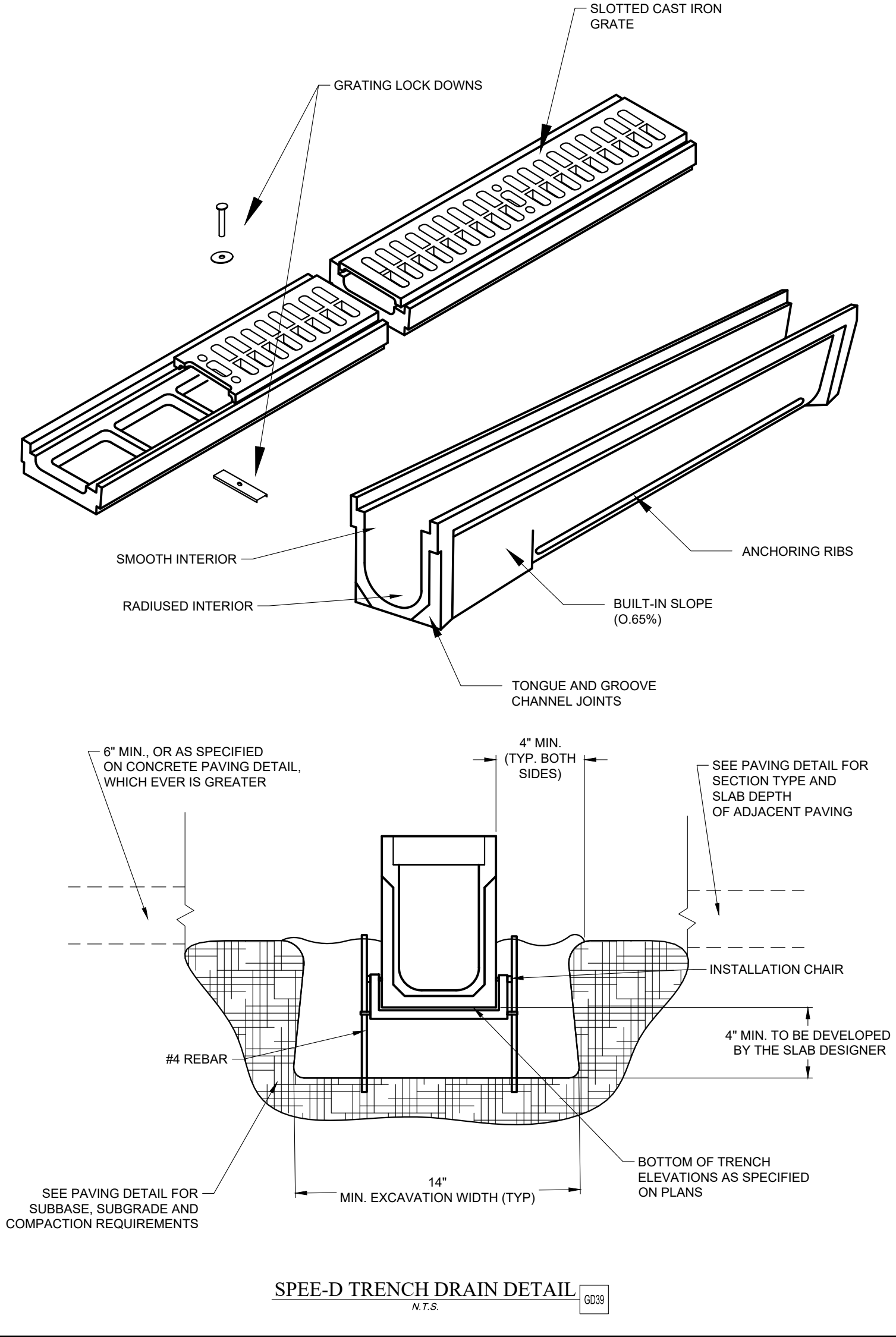
DETECTABLE WARNING DETAIL	SD26
N.T.S.	



CONCRETE PAVEMENT
SECTION
N.T.S.

<

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REVISIONS			
NO.	DATE	DESCRIPTION	REVISOR
01	07/31/2023	REVISED PER SJC COMMENTS	MM

DESIGN BY		SAK	
DWG BY	CHK BY	DWG BY	CHK BY
MM	FRJ	MM	FRJ

DATE		JOB NO.	
DATE	DATE	DATE	DATE
07-05-2023	07-05-2023	22036	22036

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P.O. BOX 3126, 7 WALDO STREET
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CONSTRUCTION DETAILS
A STREET PARKING
CITY OF ST. AUGUSTINE BEACH
PREPARED FOR
CITY OF ST. AUGUSTINE BEACH

SHEET NO.: **11**
OF 13

REGISTERED ENGINEER
P.E.
CA#2655, FL #42614

