GRAPHIC SCALE
30 20 10 0 30 60
1"=30'

.\IMG\SUN811_BLUEPRINT LOGO.png

ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFORM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARDS, THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.

WARNING !!

CONTRACTOR SHALL TAKE ALL PRECAUTIONS DURING CONSTRUCTION TO AVOID CONTACT WITH EXISTING UNDERGROUND UTILITIES, GAS MAINS AND OVERHEAD ELECTRIC IN THE RIGHT-OF-WAY.

CURB RAMP LEGEND:

1 — SIDEWALK CURB RAMP (CR-E) WITH 24" DETECTABLE WARNING MAT PER FDOT INDEX 522-002 (SEE SHEET No. 39)

GRADING LEGEND:

85 — EXISTING CONTOUR
85 — PROPOSED CONTOUR
DRAINAGE FLOW ARROW
+55.9 — EXISTING SPOT ELEVATION
29.62 — PROPOSED SPOT ELEVATION

GENERAL GRADING NOTES:

1. CROSS SLOPES OF ACCESSIBLE PARKING SPACES AND ACCESS AISLE SHALL NOT EXCEED 1:48 IN ACCORDANCE WITH SECTION 502.4 OF FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION (FACBC).
2. THE MAXIMUM ELEVATION CHANGE AT THE ENTRANCE DOOR MAY NOT EXCEED 1/2 INCH.
3. ALL SIDEWALK LANDINGS SHALL HAVE SLOPES NO GREATER THAN 1/4 INCH / 1 FOOT IN MANEUVERING SPACES AT ALL DOORWAYS.
4. ALL SIDEWALKS SHALL HAVE A 1.0% CROSS SLOPE (2.0% MAXIMUM).
5. ALL CURB RAMPS SHALL COMPLY WITH SECTION 406 OF FACBC.
6. ALL IMPROVEMENTS SHALL BE STAKED FOR CONSTRUCTION BY MEANS OF DIGITAL COORDINATES BY SURVEY OR UTILIZING GEODETIC TOTAL STATION. SCALING OF DRAWINGS FOR PURPOSES OF STAKING ARE AT THE SURVEYOR.

GENERAL EARTHWORK NOTES:

1. IF ANY MUCK OR MUCK-LIKE MATERIAL IS DISCOVERED, IT WILL BE REQUIRED TO BE REMOVED, BACKFILLED WITH APPROPRIATE FILL, COMPACTED, AND TESTED USING AASHTO T-180 MODIFIED PROCTOR METHOD.
2. ALL FILLING IS TO BE PERFORMED IN ONE-FOOT LIFTS. THE COMPACTION REQUIREMENT IS 98% FOR PAVED AREAS AND 95% FOR UNPAVED AREAS PER AASHTO T-180 MODIFIED PROCTOR TEST.
3. TEMPORARY FILL STOCKPILING IS NOT PERMITTED IN LIFTS GREATER THAN SIX FEET.
4. SOILS ARE TO BE STABILIZED BY WATER OR OTHER MEANS DURING CONSTRUCTION. THIS IS INTENDED TO REDUCE SOIL EROSION AND THE IMPACT TO NEIGHBORING COMMUNITIES.
5. ONCE AN AREA IS SEEDED OR SODDED, IT MUST BE MAINTAINED TO ALLOW THE GRASS TO GROW.
6. ALL NON-PAVED AREAS MUST BE PLANTED, GRASSED, OR MULCHED.

AS–BUILT INFORMATION SHOWN IN BOLD AND/OR BOLD ITALICS SURVEY TO SHOW AS–BUILT OF SITE PLAN
DATED 11/10/2023

THE FOREGOING AS-BUILT IS CERTIFIED TO MEET THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS AS PER CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, AS PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

LS # 6378
03/29/2024
DAVID McMILLEN

A1A SURVEYING, INC.
Professional Surveyor
Phone: 386.679.2363
Residential Commercial Construction
711 Pineland Trail, Ormond Beach, Florida 32174
LB 8205

GENERAL NOTES

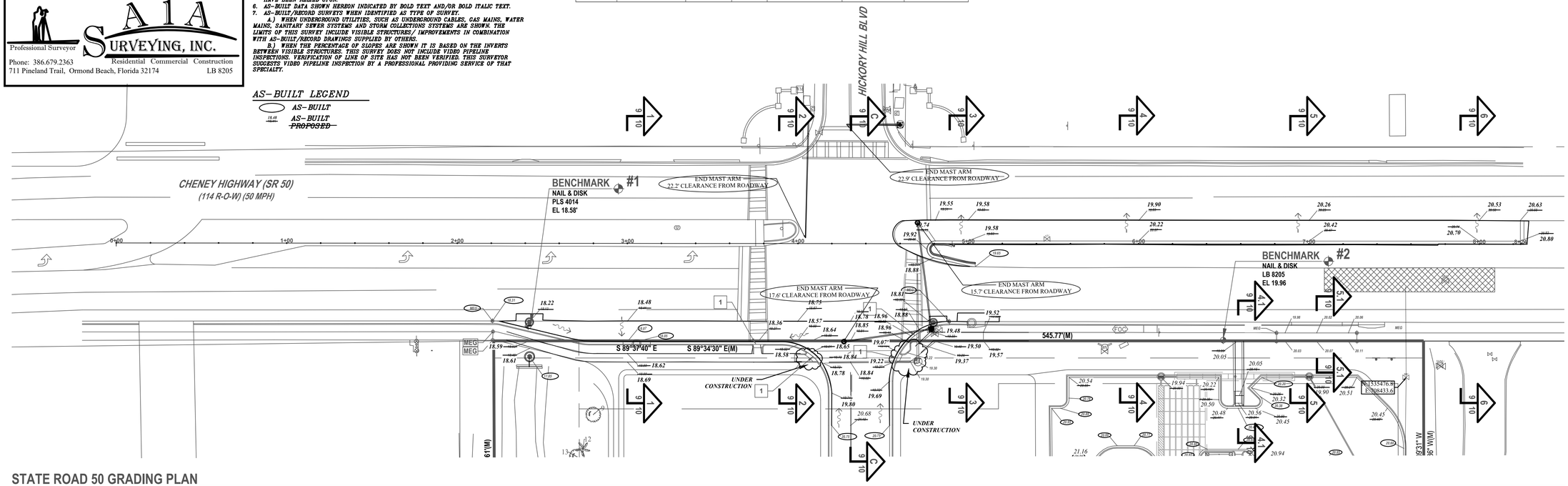
1. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES. (SECTION 5J–17.050 THROUGH 5J–17.052, F.A.C.)
2. WHEN MULTIPLE SHEETS COMPRISE THE PLAT OR MAP, NO SINGLE SHEET SHALL BE CONSIDERED FULL AND COMPLETE WITHOUT THE OTHER(S).
3. HORIZONTAL AND VERTICAL CONTROL WERE PROVIDED WITHIN THE AUTOCAD DRAWINGS BY NEWKIRK ENGINEERING.
4. SOME FEATURES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES PUBLISHED DIMENSIONS WILL PRECEDE MAP SCALINGS.
5. NOT ALL MEASUREMENTS (SIZE, TYPES & ELEVATION OF LINES) WERE OBTAINABLE BY CONVENTIONAL METHODS. THE CONTRACTORS NOTES, PICTURES AND OR BORE LOGS MAY HAVE BEEN RELIED UPON.
6. AS–BUILT DATA SHOWN HEREON INDICATED BY BOLD TEXT AND/OR BOLD ITALIC TEXT.
7. AS–BUILT/RECORD SURVEYS WHEN IDENTIFIED AS TYPE OF SURVEY.
   a.) WHEN UNDERGROUND UTILITIES, SUCH AS UNDERGROUND CABLES, GAS MAINS, WATER MAINS, SANITARY SEWER SYSTEMS AND STORM COLLECTIONS SYSTEMS ARE SHOWN. THE LIMITS OF THIS SURVEY INCLUDE VISIBLE STRUCTURES/ IMPROVEMENTS IN COMBINATION WITH AS–BUILT/RECORD DRAWINGS SUPPLIED BY OTHERS.
   b.) WHEN THE PERCENTAGE OF SLOPES ARE SHOWN IT IS BASED ON THE INVERTS BETWEEN VISIBLE STRUCTURES. THIS SURVEY DOES NOT INCLUDE VIDEO PIPELINE INSPECTIONS. VERIFICATION OF LINE OF SITE HAS NOT BEEN VERIFIED. THIS SURVEYOR SUGGESTS VIDEO PIPELINE INSPECTION BY A PROFESSIONAL PROVIDING SERVICE OF THAT SPECIALTY.

AS–BUILT LEGEND

18.48 — AS–BUILT
~~18.48~~ — ~~AS–BUILT PROPOSED~~

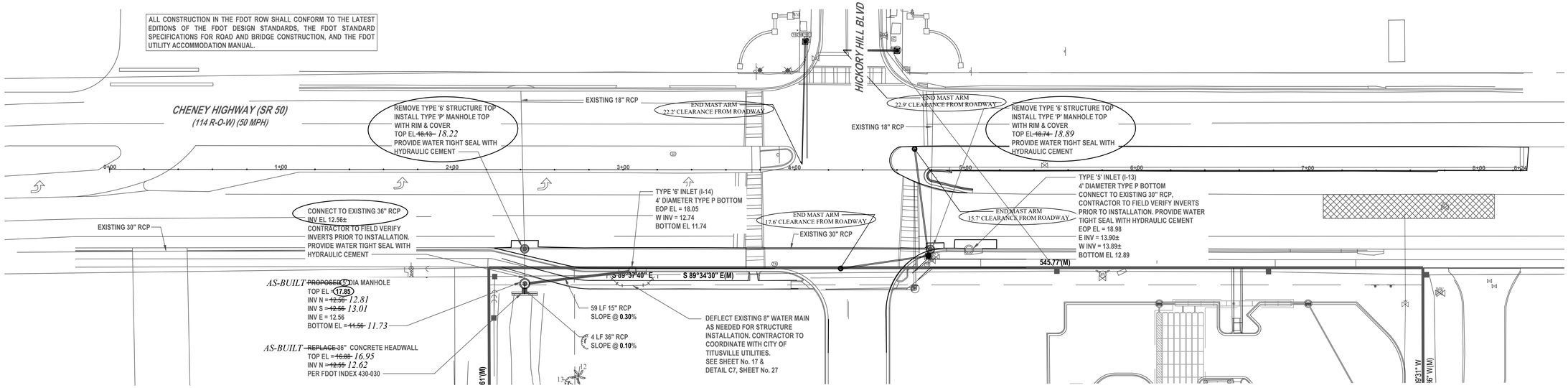
DRAINAGE PIPE MINIMUM SLOPE REQUIREMENTS

PIPE SIZE (IN)	SELF-CLEANSING VELOCITY (FPS)	MANNINGS (N)	RADIUS (FT)	CROSS-SECTIONAL AREA (FT)	WETTED PERIMETER	MINIMUM SLOPE (FT / 100 FT)
18	3.0	0.012	0.75	1.767	FULL & ½ FULL	0.0022
36	3.0	0.012	1.5	7.06838	9.4245	0.0009



STATE ROAD 50 GRADING PLAN

SCALE: 1" = 30'



STATE ROAD 50 DRAINAGE PLAN

SCALE: 1" = 30'

REVISIONS

DATE	DESCRIPTION
08/03/22	CITY COMMENTS
09/27/22	FDOT COMMENTS
10/27/22	TURN LANE
01/05/23	FDOT COMMENTS
01/11/23	FDOT COMMENTS
03/14/23	FDOT COMMENTS

1230 North US1, Suite 3
Ormond Beach, Florida 32174
Phone (386) 672-2794
www.Newkirk-Engineering.com
C.A. # 30209
L.C. # 26000584

© 2013

Civil Engineering,
Transportation, CEI &
Landscape Architecture
NEWKIRK ENGINEERING INC.

SR-50 RIGHT-OF-WAY GRADING AND DRAINAGE PLAN

CULVER'S - TITUSVILLE

2855 CHENEY HIGHWAY (SR - 50)
TITUSVILLE, FL 32780

THIS DRAWING IS THE PROPERTY OF NEWKIRK ENGINEERING ANY USE OR REPRODUCTION IN WHOLE OR PART IS PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF NEWKIRK ENGINEERING COPYRIGHT 2013 ALL RIGHTS RESERVED

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SHAMUS SCHROEDER, PE # 94217 ON

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PROJECT No:	2021-357
DATE:	MAY 2022
DESIGN BY:	STS
DRAWN BY:	MLH
CHECKED BY:	HHN
SCALE:	1" = 30'

DRAWING NUMBER

9