

EASTSIDE VETERINARY HOSPITAL CIVIL ENGINEERING PLANS

PROJECT TEAM

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CIVIL ENGINEER

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NATURAL GAS

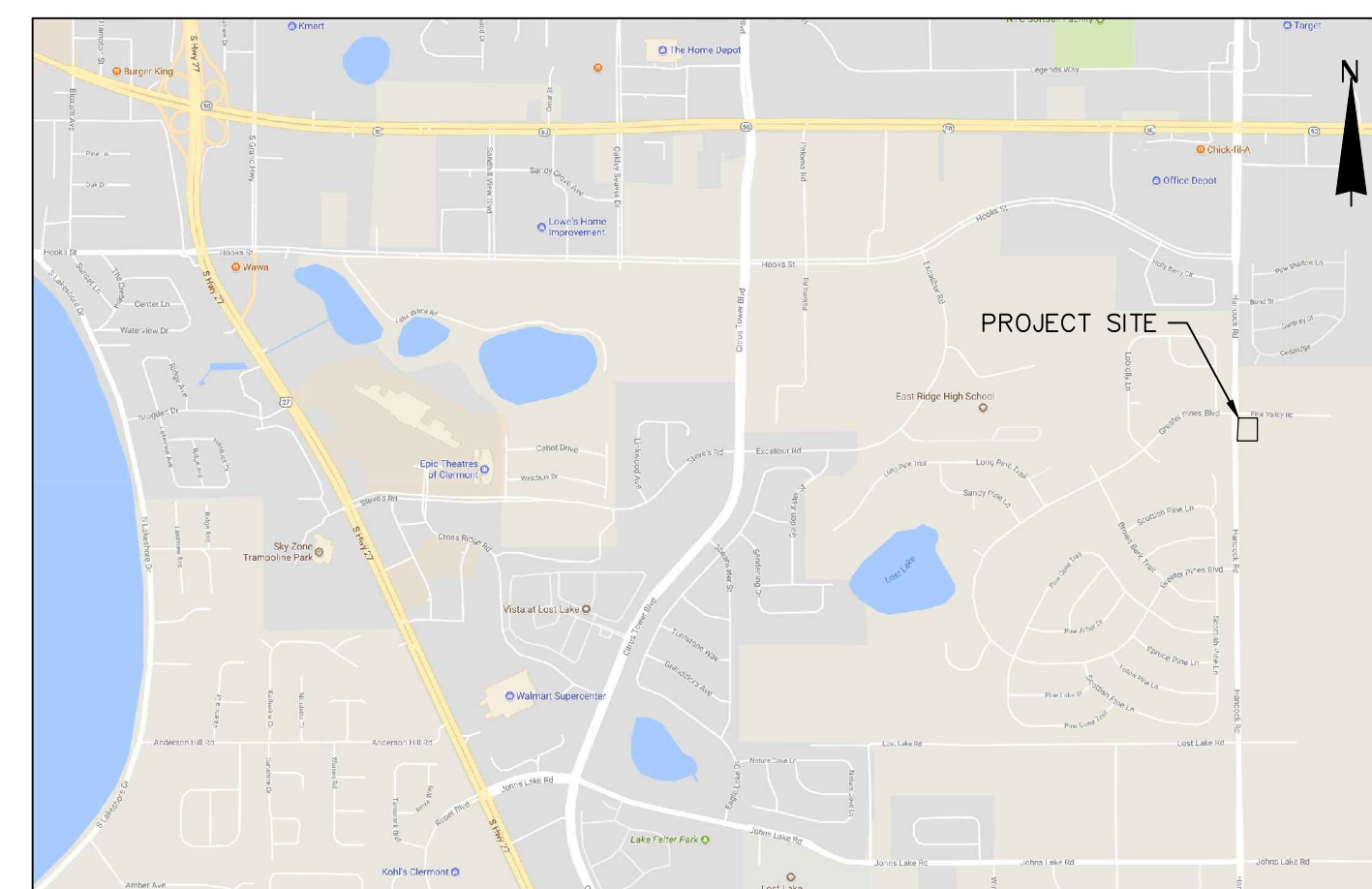
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CLERMONT, FLORIDA 34711
(800) 672-6240



VICINITY MAP

SCALE: NTS
SOURCE: GOOGLE MAPS

15016 PINE VALLEY BLVD
CLERMONT, FLORIDA 34711
SECTION 27, TOWNSHIP 22 SOUTH, RANGE 26 EAST

SHEET # DESCRIPTION

SHEET #	DESCRIPTION
C1	COVER SHEET
C2	GENERAL NOTES – CITY OF CLERMONT
C3	GENERAL NOTES – CITY OF CLERMONT
C4	SITE PLAN
C5	GRADING PLAN
C6	UTILITY PLAN
C7	EROSION CONTROL PLAN
C8	CONSTRUCTION DETAILS
C9	CONSTRUCTION DETAILS
C10	CONSTRUCTION DETAILS – CITY OF CLERMONT

SITE NOTES

LEGAL DESCRIPTION:

LOTS 8 AND 9, PINE VALLEY INDUSTRIAL PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 29, PAGE 70, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

DATUM NOTE:

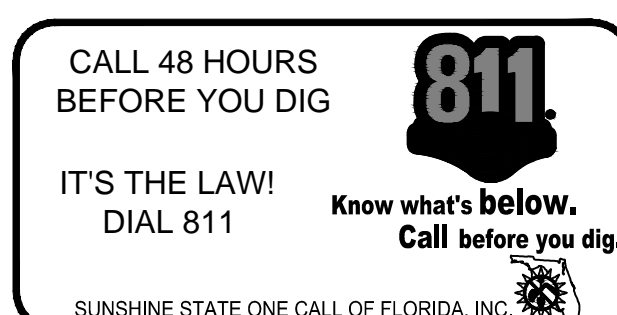
ELEVATIONS ARE BASED ON 1988 DATUM

BENCHMARKS: (BY RHODEN LAND SURVEYING, INC.)

BENCHMARK #1 – 1/2" IRON ROD & CAP MARKED "PSM 5322" ELEVATION 135.40 (NAVD 88)
BENCHMARK #2 – 1/2" IRON ROD & CAP MARKED "LB 220" ELEVATION 135.00 (NAVD 88)

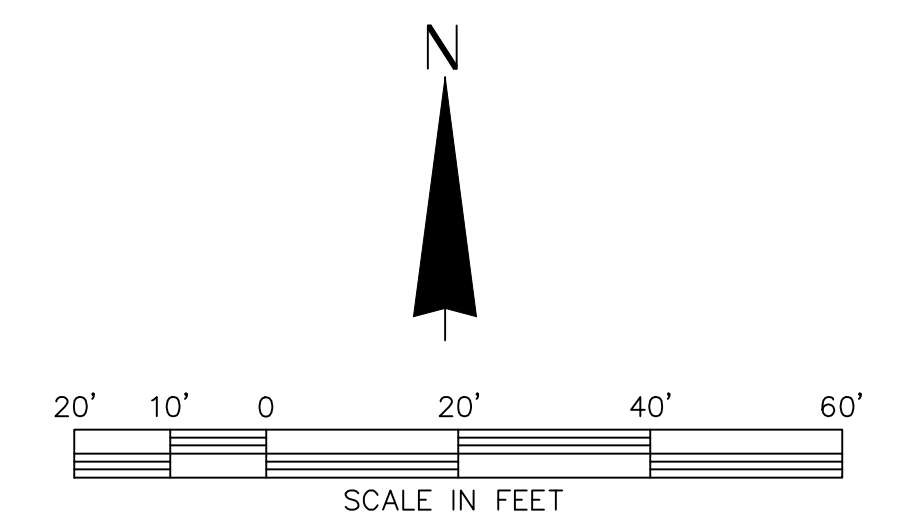
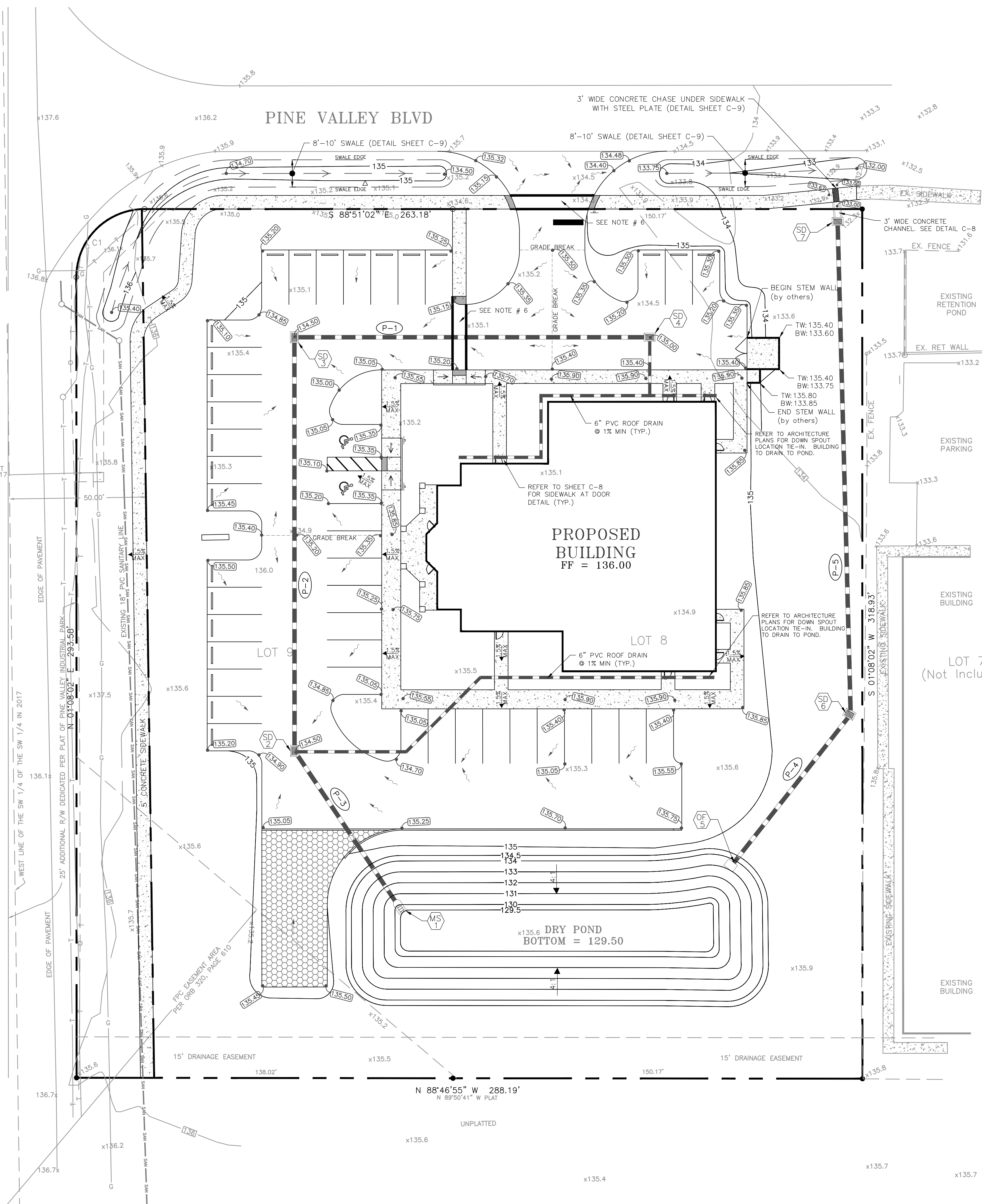
NOTES:

- THE PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION BASED ON THE CONDITIONS AS THEY EXISTED AT THE TIME OF PLAN PREPARATION. THE CONDITIONS OF THE PROPERTY MAY HAVE CHANGED SINCE PROJECT DESIGN. THE CONTRACTOR SHALL VERIFY AND CONFIRM ALL EXISTING CONDITIONS AND SHALL CONTACT THE PROJECT ENGINEER IMMEDIATELY IF CONDITIONS HAVE CHANGED FROM WHEN THE PLANS WERE PREPARED.
- THE SITE SHALL COMPLY WITH THE FLORIDA BUILDING CODE (FBC) 2014 ACCESSIBILITY CODE.
- SEPARATE PERMITS ARE REQUIRED FOR THE FOLLOWING, IF APPLICABLE:
 - DUMPSTER ENCLOSURE
 - LIFT STATIONS
 - SWIMMING POOLS
 - PLAYGROUND EQUIPMENT
 - SIGNS
 - RETAINING WALLS
 - ENTRY
 - WALL FEATURES
 - SITE LIGHTING
 - GENERATORS
 - FENCE
 - UNDERGROUND FIRE MAINS
 - PRIVATE FIRE HYDRANTS
 - STRUCTURES ERECTED AT THIS SITE



CERTIFICATE OF AUTHORIZATION NUMBER. 29279
1120 W. MINNEOLA AVENUE
CLERMONT, FLORIDA 34711
PHONE (352) 242-9329
WWW.GERMANAENGINEERING.COM

Christopher M. Germana, State of Florida, Professional Engineer, License No. 61682.
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LEGEND

- OHW --- EXISTING OVERHEAD POWER LINE
- x.xxx EXISTING SPOT ELEVATION
- 135.53 PROPOSED ELEVATION
- - - 143 - - - EXISTING GROUND CONTOUR
- 143 —— PROPOSED GROUND CONTOUR
- PROPOSED FLOW ARROW
- EXISTING FLOW ARROW
- ▬ CONCRETE SIDEWALK
- ▬▬▬ PROPOSED STORM SEWER

STRUCTURE TABLE (PROPOSED)

MS 1	STANDARD MITERED END SECTION (FDOT INDEX 272) INV. OUT = 129.50	OF 5	TYPE C OVERFLOW STRUCTURE TOP = 133.52 INV. OUT = 130.00 (NE)
SD 2	TYPE C INLET TOP = 134.50 INV. IN = 129.88 (N) INV. IN = 130.00 (NE) INV. OUT = 129.78 (SE)	SD 6	TYPE C INLET TOP = 135.30 INV. IN = 129.65 (SW) INV. OUT = 129.65 (N)
SD 3	TYPE C INLET TOP = 134.50 INV. IN = 130.64 (E) INV. OUT = 130.54 (S)	SD 7	TYPE C INLET (OUTFLOW STRUCTURE) WITH CORED BOTTOM/STONE, DETAIL SHEET C-8 TOP = 133.00 OUT = 129.00 (S)
SD 4	TYPE C INLET TOP = 135.00 INV. IN = 131.50 (S) INV. OUT = 131.21 (W)		

PIPE TABLE

P-1	127 LF OF 18" ADS PIPE @ 0.45%
P-2	148 LF OF 18" ADS PIPE @ 0.45%
P-3	64 LF OF 18" ADS PIPE @ 0.45%
P-4	68 LF OF 18" ADS PIPE @ 0.40%
P-5	178 LF OF 18" ADS PIPE @ 0.40%

NOTES

1. SITE SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, 2014 EDITION.
2. ALL SIDEWALK SLOPE SHALL BE ADA COMPLIANT. CROSS SLOPES SHALL NOT EXCEED 2% SLOPE. HANDICAP PARKING SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
3. CONTRACTOR TO VERIFY EXISTING SIDEWALK GRADES AT CONNECTION PRIOR TO NEW SIDEWALK CONCRETE POUR. THE EXISTING SIDEWALK AT THE CONNECTION POINTS
4. ELEVATIONS ARE TO THE EDGE OF GRAVEL, PAVEMENT, CONCRETE OR GRASS SPACE UNLESS OTHERWISE NOTED.
5. REFER TO LANDSCAPE PLANS FOR DETAILS ON LANDSCAPE ISLANDS.
6. GRADES IN CROSS WALL SHALL NOT EXCEED 1.5% CROSS SLOPE AND 5% LONGITUDINAL SLOPE.

****CAUTION****
EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE LOCATED WITHIN THE PROJECT AREA. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THESE PLANS FOR REFERENCE INFORMATION ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

Christopher M. Germana, State of Florida, Professional Engineer, License No. 61682.
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DATE	REVISIONS

GRADING & DRAINAGE PLAN

EASTSIDE VETERINARY HOSPITAL

PROJECT # GE0162017

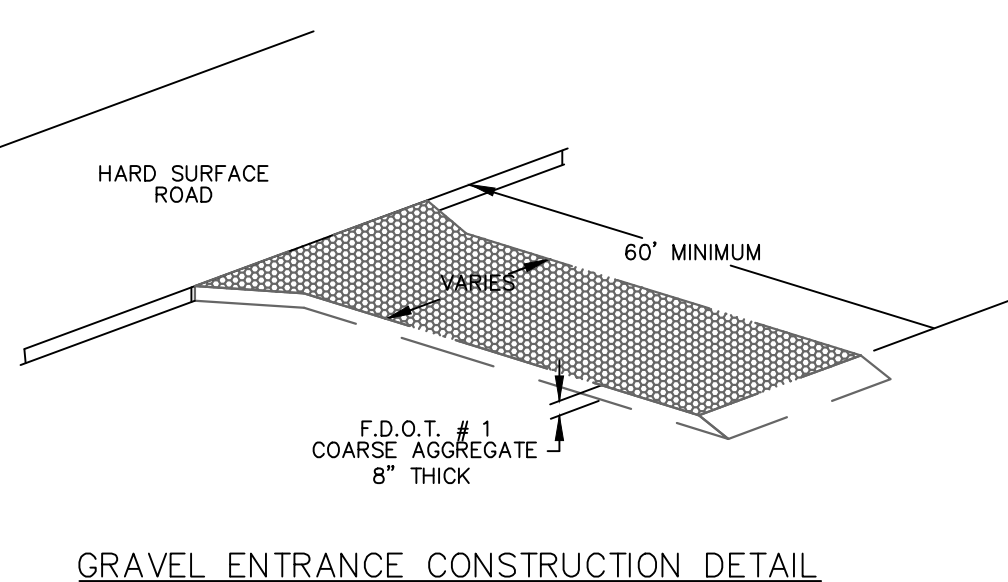
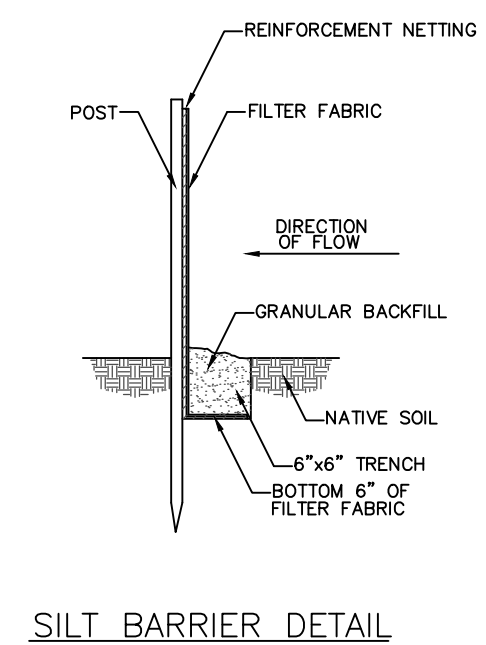
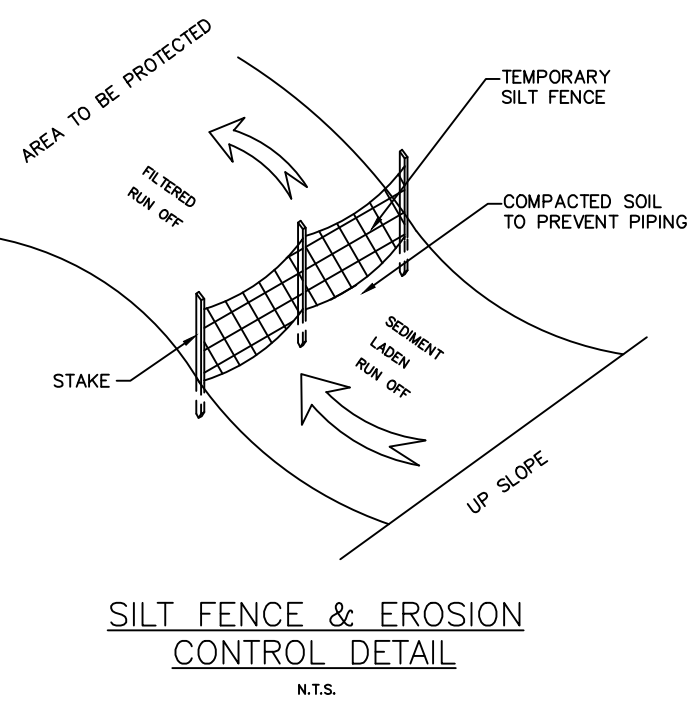
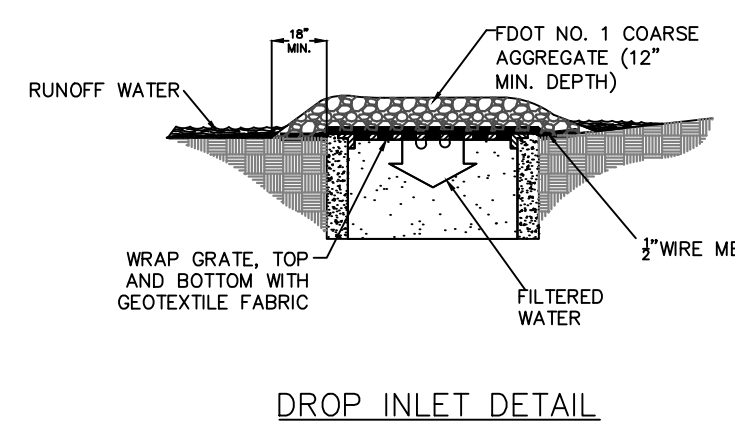
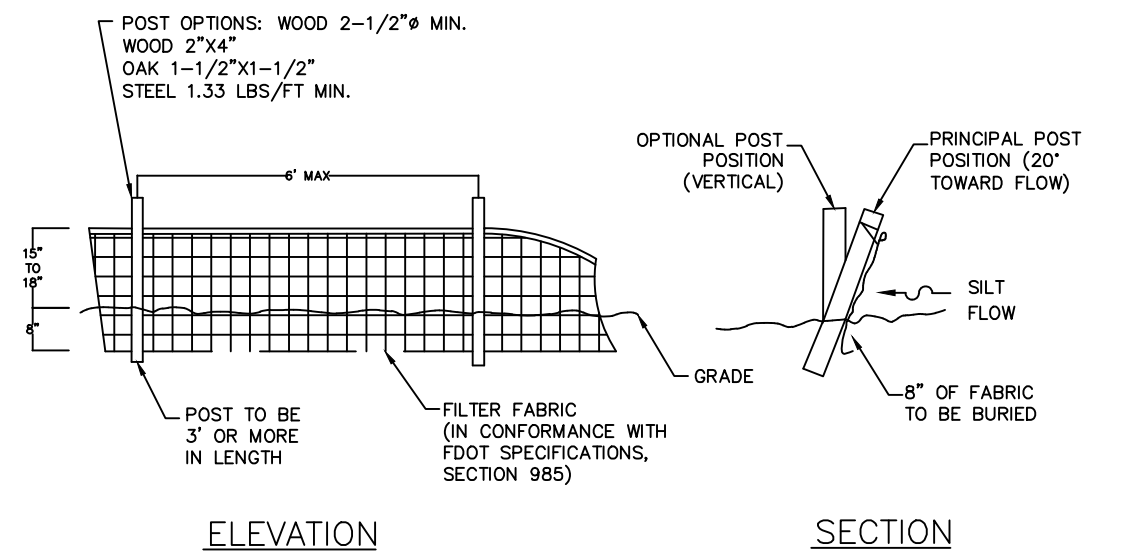
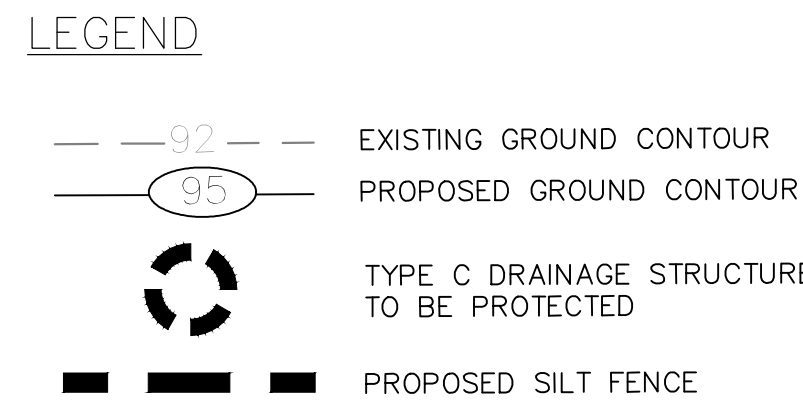
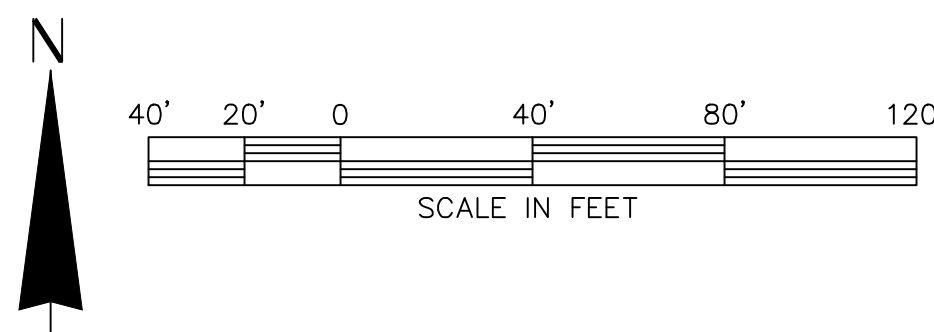
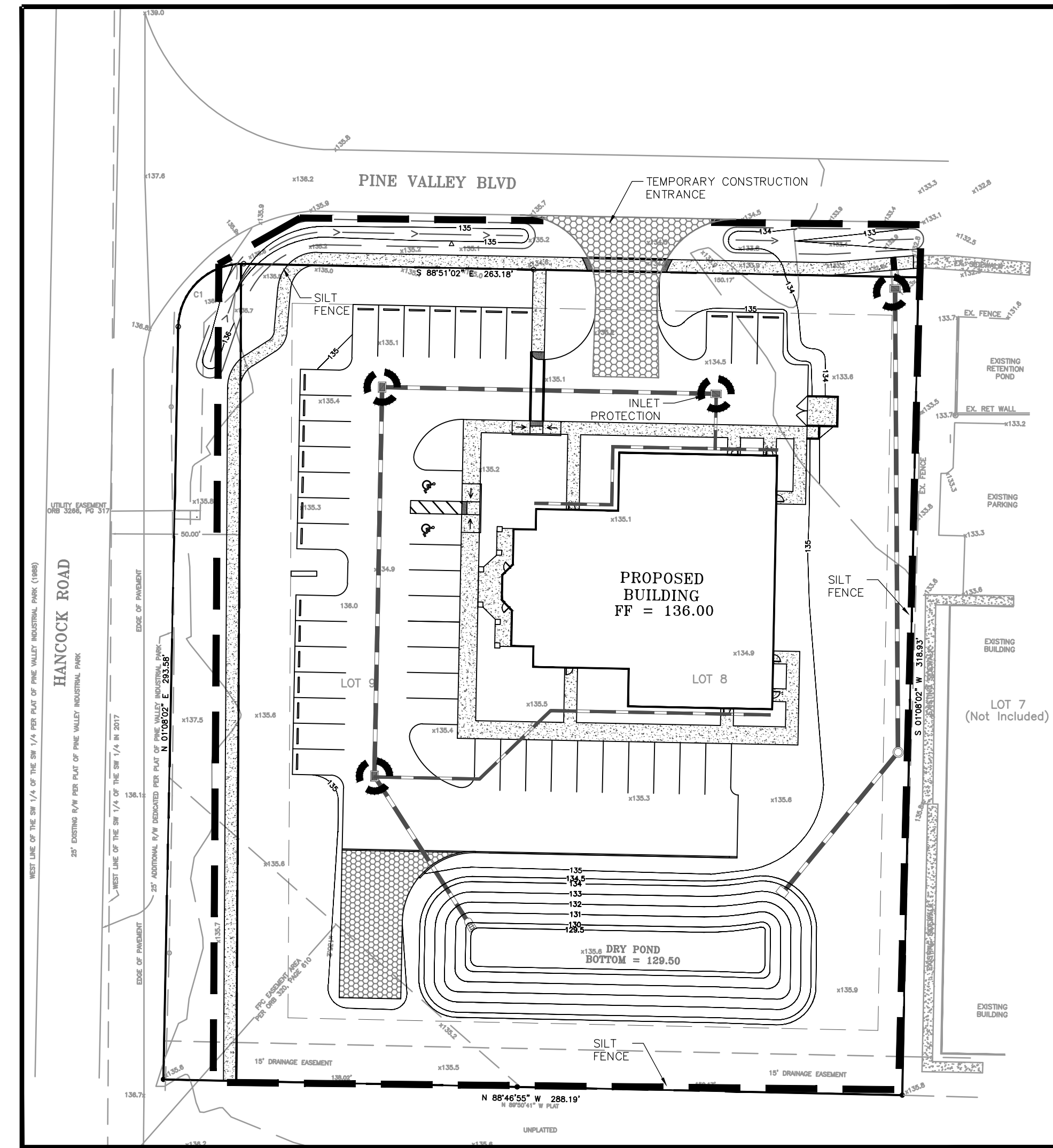
LAKE COUNTY, FLORIDA

GERMANA ENGINEERING and Associates, LLC
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SCALE 1" = 20'

DATE 11/15/17

SHEET C-5



EROSION CONTROL NOTES

TIMING OF SEDIMENT - CONTROL PRACTICES:

1. SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH DISTURBING ACTIVITY.
2. SETTLING FACILITIES, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

STABILIZATION OF NON STRUCTURAL PRACTICES:

1. CONTROL PRACTICES SHALL PRESERVE EXISTING VEGETATION WHERE ATTAINABLE AND DISTURBED AREAS SHALL BE RE-VEGETATED AS SOON AS PRACTICAL AFTER GRADING OR CONSTRUCTION.
2. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN FOURTEEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, AND SHALL ALSO BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE, WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED.

MAINTENANCE:

TEMPORARY EROSION CONTROL FEATURES SHALL BE ACCEPTABLY MAINTAINED AND SHALL BE REMOVED OR REPLACED WHEN DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

INLET PROTECTION:

ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SYSTEM WITHOUT FIRST BEING PONDED AND FILTERED.

SEDIMENT BARRIERS:

SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

CONSTRUCTION ACCESS ROUTES:

MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES OR PUBLIC ROADS WHERE RUNOFF IS NOT CHECKED.

STOCKPILES:

ALL SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER CONTROL DEVICES SUCH AS STRAW BALE DIKES OR FILTER FABRIC FENCES, AND THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

PERMANENT VEGETATION:

PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE ENGINEER, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE ADVERSE WEATHER CONDITIONS.

INSPECTION SCHEDULE:

1. DIVERSION SWALE AND STRUCTURAL PROTECTION - INSPECT EVERY 7 DAYS OR AFTER EACH RAINSTORM PRODUCING RUNOFF. REPAIR AS REQUIRED.
2. INLET PROTECTION - INSPECT FOR SEDIMENT ACCUMULATION AFTER EACH RAINFALL AND DAILY DURING CONTINUED RAINFALL. REPAIR OR REPLACE WHEN WATER FLOW IS RESTRICTED BY SEDIMENT.
3. VEGETATIVE PLANTING - INSPECT AFTER SPROUTING OCCURS AND REPLANT BARE AREAS. INSPECT ESTABLISHED COVER EVERY 15 DAYS FOR DAMAGE; REPLANT AS REQUIRED. MAINTAIN ESTABLISHED COVER AT MAXIMUM 6" HEIGHT. IRRIGATE AS REQUIRED DURING DRY PERIODS TO MAINTAIN LIVE VEGETATION.

CONSTRUCTION SEQUENCE:

1. INSTALL SEDIMENT CONTROL MEASURES
2. ROUGH GRADE SITE & STOCKPILE TOPSOIL
3. TEMPORARY VEGETATION
4. INSTALL STORM WATER MANAGEMENT MEASURES
5. INSTALL ROAD & PARKING BASE
6. SURFACE ROADS & PARKING
7. FINAL GRADING
8. PERMANENT VEGETATION
9. INSTALLING LANDSCAPING
10. PERFORM CONTINUING MAINTENANCE

SEDIMENT FENCE:

1. THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.
2. THE HEIGHT OF A SEDIMENT FENCE SHALL NOT EXCEED 36-INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE).
3. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.
4. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES), WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
5. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
6. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1-INCH LONG, THE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8-INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE EXISTING TREES.

SEDIMENT FENCE MAINTENANCE:

1. SEDIMENT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC ON A SEDIMENT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SEDIMENT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.

DITCH BARRIERS:

1. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
2. THE REMAINING STEPS FOR INSTALLING A STRAW BALE BARRIER FOR SHEET FLOW APPLICATIONS APPLY HERE, WITH THE FOLLOWING ADDITION.
3. THE STRAW BALES SHALL BE INSTALLED SUCH THAT UNDERCUTTING BENEATH THE BALES IS MINIMIZED BY THE USE OF ROCK CHECK DAMS PLACED ADJACENT TO THE STRAW BALES.
4. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT-LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT AROUND IT.

DITCH BARRIER MAINTENANCE:

1. STRAW BALES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

STORMWATER POLLUTION PREVENTION PLAN

1. ATTENTION IS DRAWN TO THE FACT THAT THIS PROJECT IS PERMITTED UNDER THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE REQUIREMENTS OF THIS PERMIT, AND TO UNDERTAKE ANY MEASURES NECESSARY TO COMPLY WITH SAID REQUIREMENTS.
2. IT MAY BE NECESSARY, DUE TO WEATHER CONDITIONS, PHASING OF CONSTRUCTION ACTIVITIES, QUANTITY AND TYPE OF MATERIALS, ETC., TO TAKE ADDITIONAL MEASURES TO COMPLY WITH THE N.P.D.E.S. PERMIT THAT ARE NOT OUTLINED IN THESE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR IMPLEMENTATION OF WHATEVER MEANS ARE NECESSARY TO PREVENT THE DISCHARGE OF POLLUTANTS, INCLUDING BUT NOT LIMITED TO TURBID WATER RUNOFF AND FUGITIVE AIRBORNE PARTICULATE POLLUTANTS.
3. THE CONTRACTOR IS FURTHER ADVISED THAT A SEPARATE STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) HAS BEEN PREPARED FOR THIS PROJECT AND IS HEREBY MADE PART OF THE CONSTRUCTION DOCUMENTS.
4. THIS INFORMATION REPRESENTS THE MINIMUM AMOUNT OF EROSION AND SEDIMENT CONTROL MEASURES, IN THE OPINION OF THE ENGINEER, THAT MAY BE NECESSARY UNDER FAVORABLE WEATHER CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL MEASURES OR PRACTICES THAT MAY BE NECESSARY TO CONTROL EROSION, TURBID DISCHARGE, FUGITIVE PARTICULATES, ETC. TO FULLY COMPLY WITH ALL GOVERNMENTAL RULES AND/OR PERMIT REQUIREMENTS.

SEDIMENT AND EROSION CONTROL SUMMARY

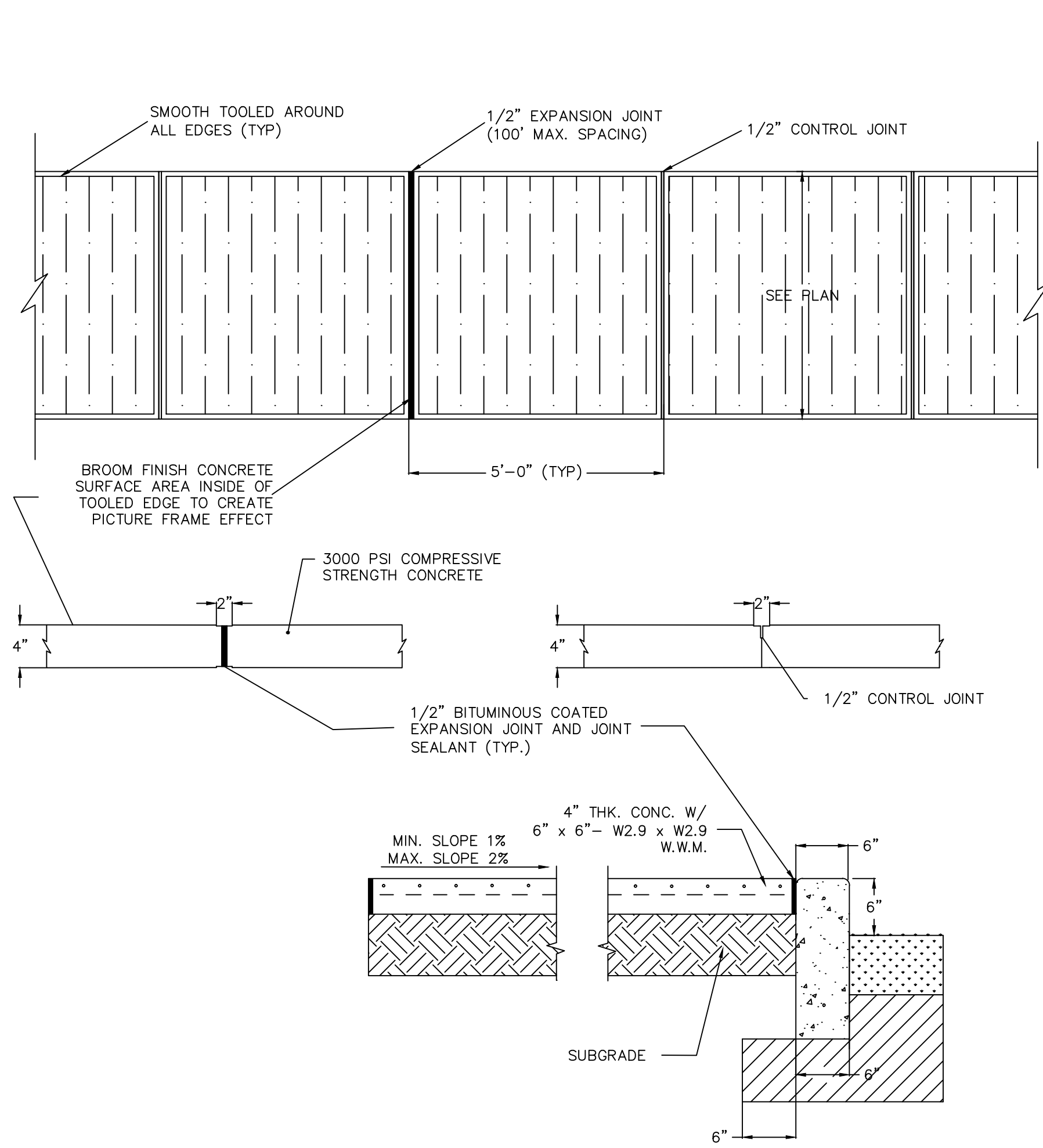
EROSION PLAN DESIGNER:	GERMANA ENGINEERING AND ASSOCIATES, LLC 1120 W. MINNEOLA AVENUE CLERMONT, FL 34711 PHONE: 352-242-9329
OWNER/DEVELOPER:	ANDOC LLC 731 E HIGHWAY 50 CLERMONT, FL 34711 PHONE: (352) 394-6624
SITE CONTACT:	LAKE CONSTRUCTION AND DEVELOPMENT COMPANY CONTACT: BOB THOMPSON 211 CITRUS TOWER BLVD CLERMONT, FL 34711 PHONE: (352) 708-6599
AREA ADJACENT TO SITE:	THE SUBJECT SITE IS BORDERED BY DEVELOPED PROPERTY TO THE EAST, THE SITE IS BORDERED BY AN EXISTING ROAD TO THE NORTH AND WEST, THE PROPERTY TO THE SOUTH IS UNDEVELOPED PROPERTY.
EROSION CONTROL MEASURES:	EROSION AND RUNOFF WILL BE CONTROLLED BY SEDIMENT FENCE AS NEEDED.

SEDIMENT AND EROSION CONTROL NOTES:

1. THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.
2. TEMPORARY EROSION CONTROL TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY THE ENGINEER OR AREAS ON SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD, OR COMPACTED AS DETERMINED BY THE ENGINEER.
3. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.
4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.
6. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.
7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
8. MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.
9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

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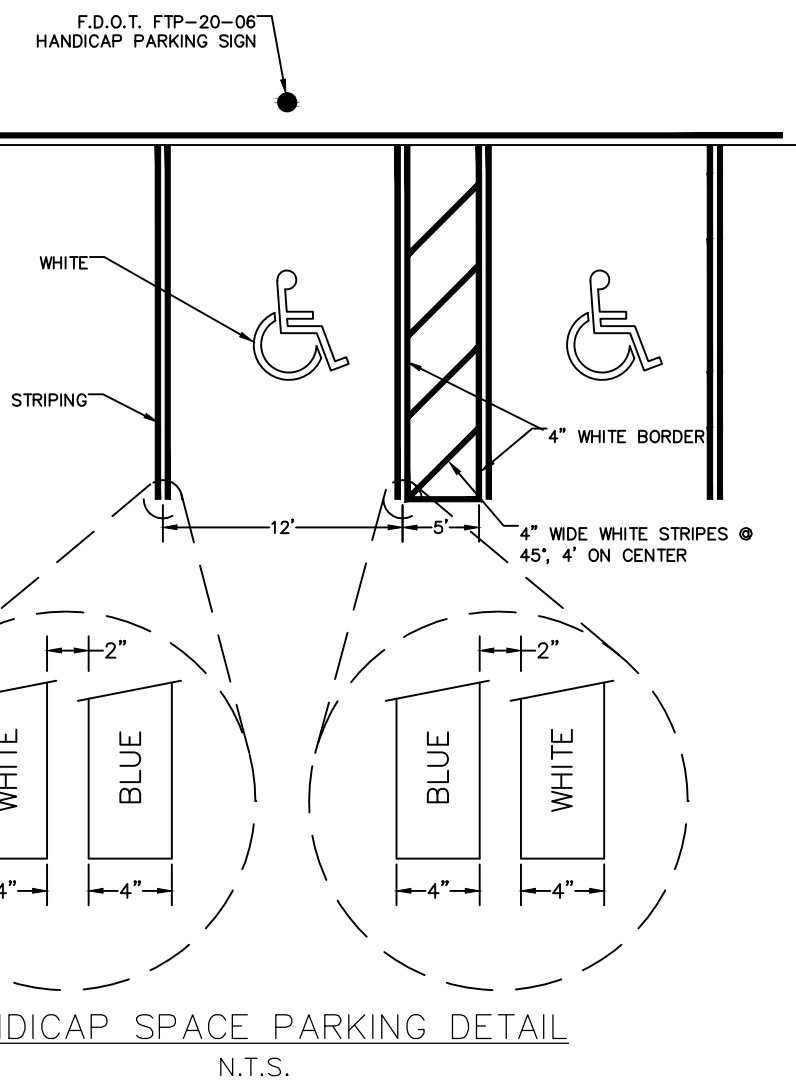
DATE	
REVISIONS	
NO.	
EROSION CONTROL PLAN & NOTES	
EASTSIDE VETERINARY HOSPITAL	
PROJECT # GC0162017 LAKE COUNTY, FLORIDA	
GERMANA ENGINEERING and Associates, LLC	
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SCALE 1" = 20'	
DATE 11/15/17	
SHEET C-7	



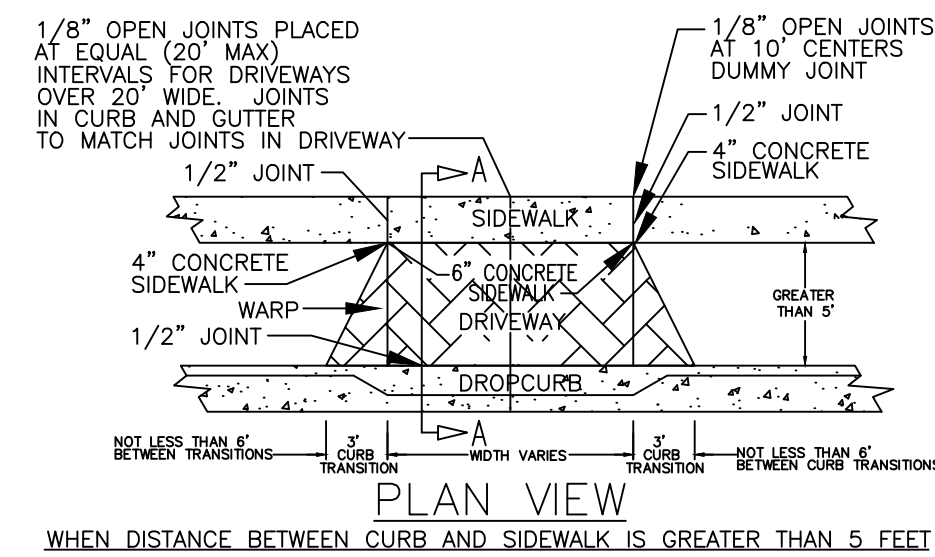
- ① 1 1/2" TYPE S-III A.C.S.C. PAVEMENT, MEETING CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. THE WEARING SURFACE SHOULD BE COMPACTED TO A MINIMUM DENSITY OF 95 PERCENT OF THE LABORATORY DENSITY AS DETERMINED BY THE MARSHALL STABILITY TEST METHOD FOR THE APPROVED JOB MIX FORMULA.
 - ② 8" LIMEROCK BASE COURSE. QUALITY OF LIMEROCK TO BE IN ACCORDANCE WITH CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND COMPACTED TO A MINIMUM DENSITY EQUIVALENT TO 95 PERCENT OF THE MODIFIED PROCTOR (AASHTO T-180), PRIMED, COMPACTED TO 98% OF THE MAXIMUM DENSITY, PER AASHTO T-180
- OR
- ⑥" CRUSHED CONCRETE BASE COURSE. QUALITY OF CRUSHED CONCRETE TO BE IN ACCORDANCE WITH CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND COMPACTED TO A MINIMUM DENSITY EQUIVALENT TO 98 PERCENT OF THE MODIFIED PROCTOR (AASHTO T-180). THE CRUSHED CONCRETE BASE MATERIAL SHOULD HAVE A MINIMUM LBR VALUE OF 120. THE MATERIAL GRADATION SHOULD BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SECTION 204).
- ③ 12" STABILIZED SUBGRADE WITH A MINIMUM FLORIDA BEARING VALUE (FBV) OF 50 PSI OR (LBR) OF 40 PERCENT. THE SUBBASE SHOULD BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T-180) FOR A DEPTH OF 1 FOOT BELOW PAVEMENT SUBGRADE

TYPICAL PAVEMENT SECTION
N.T.S.

TYPICAL CONCRETE SIDEWALK DETAIL
N.T.S.



HANDICAP SPACE PARKING DETAIL
N.T.S.

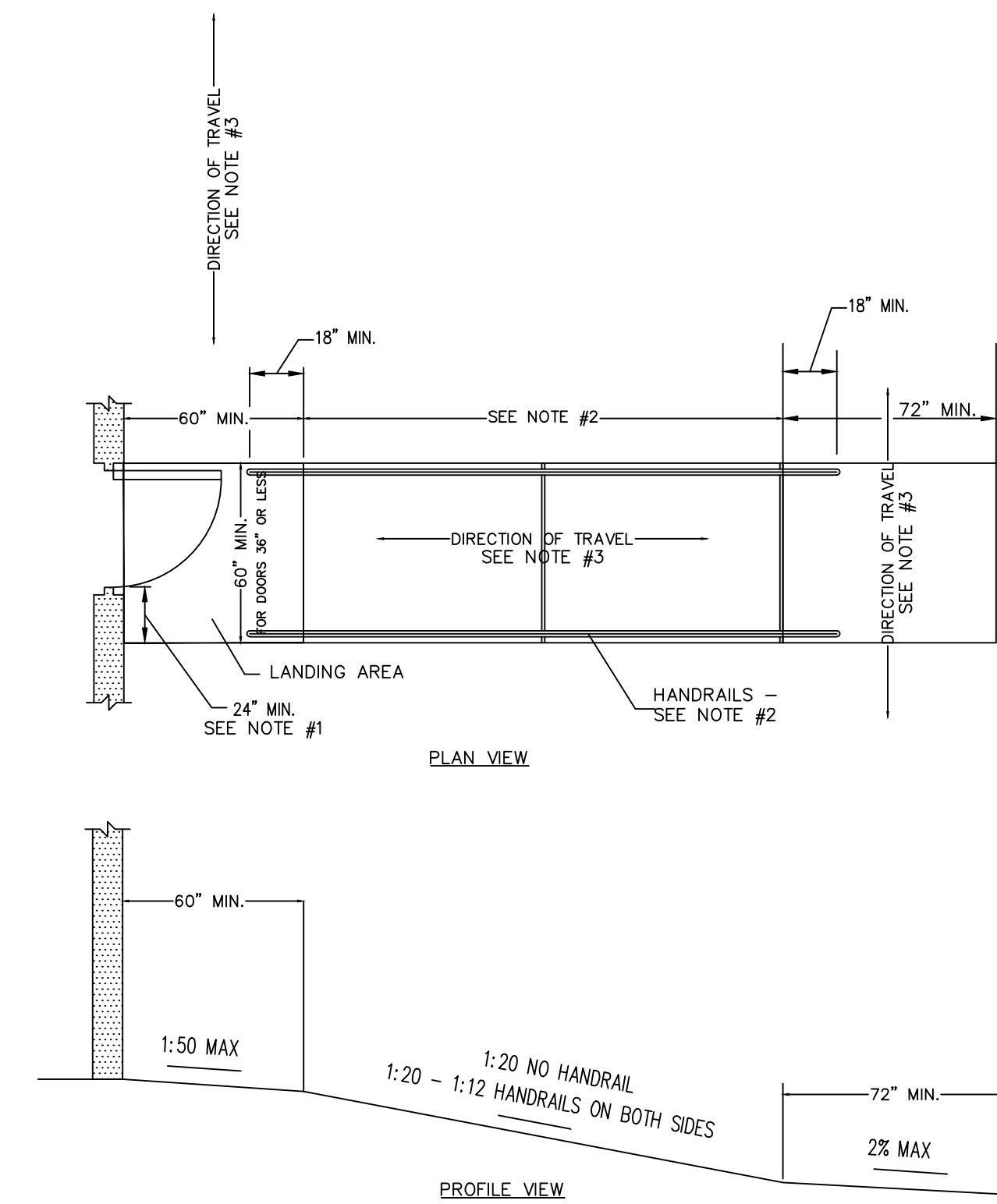


SECTION A-A
N.T.S.

- * SLOPES CAN BE ADJUSTED WITHIN THE RANGES SHOWN TO IMPROVE TIES TO ADJACENT PROPERTY AND ARE TO BE TRANSITIONED TO AVOID DISTORTION BE TRANSITIONED TO AVOID DISTORTION IN SIDEWALK CONTINUITY
- ** SPECIAL PERMISSION MAY BE OBTAINED TO INCREASE OR DECREASE SLOPE OF DRIVEWAY TO IMPROVE TIES TO SIDEWALK AND GUTTER GRADE
- NOTE: DRIVEWAYS AND SIDEWALKS THROUGH DRIVEWAYS SHALL REQUIRE 6" x 6" REINFORCEMENT WIRE OR 3,000 PSI FIBER REINFORCED CONCRETE.

- CHECK AND VERIFY THESE ITEMS:
- | | |
|--|--|
| <input type="checkbox"/> 6" W/WIRE | <input type="checkbox"/> (1/2") .04 FT./FT. NORMAL |
| <input type="checkbox"/> 3" TAPER CUT SQUARE | <input type="checkbox"/> (1/4") .02 FT./FT. MIN. |
| <input type="checkbox"/> 5" SIDEWALK TO R/W | <input type="checkbox"/> (3/4") .06 FT./FT. MAX. |

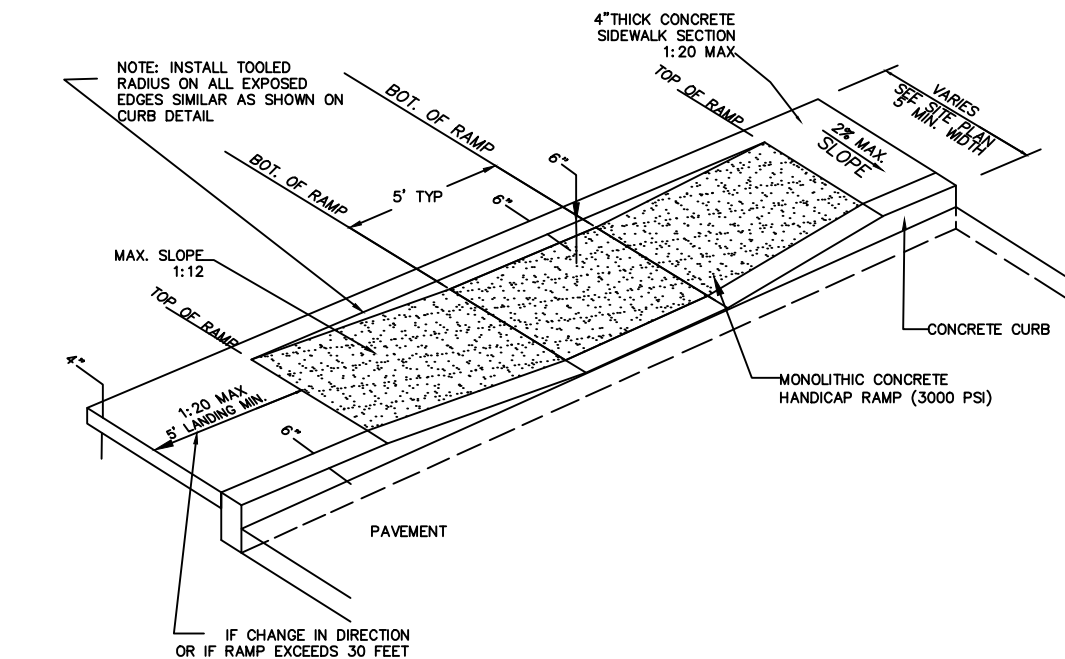
SIDEWALK AND PAVED DRIVEWAY CONSTRUCTION
N.T.S.



NOTES:

1. IF APPROACH TO DOOR IS FROM HINGE SIDE AND SIDEWALK RAMP IS ONLY 60" WIDE, THE MINIMUM DISTANCE FROM THE LATCH SIDE OF THE DOOR TO THE EDGE OF THE LANDING IS 42".
2. IF SLOPE IS 1:20 (5%) OR LESS, LENGTH IS UNLIMITED AND AREA IS CONSIDERED A WALK. IF SLOPE IS BETWEEN 1:20 (5%) AND 1:12 (8.33%) LENGTH IS LIMITED TO 72" WITHOUT HANDRAILS. LENGTHS GREATER THAN 72" REQUIRE HANDRAILS ON BOTH SIDES. AREA IS CONSIDERED A RAMP.
3. IN ALL CASES, CROSS-SLOPE (SLOPE PERPENDICULAR TO DIRECTION OF TRAVEL) IS MAX. 1:50 (2%).

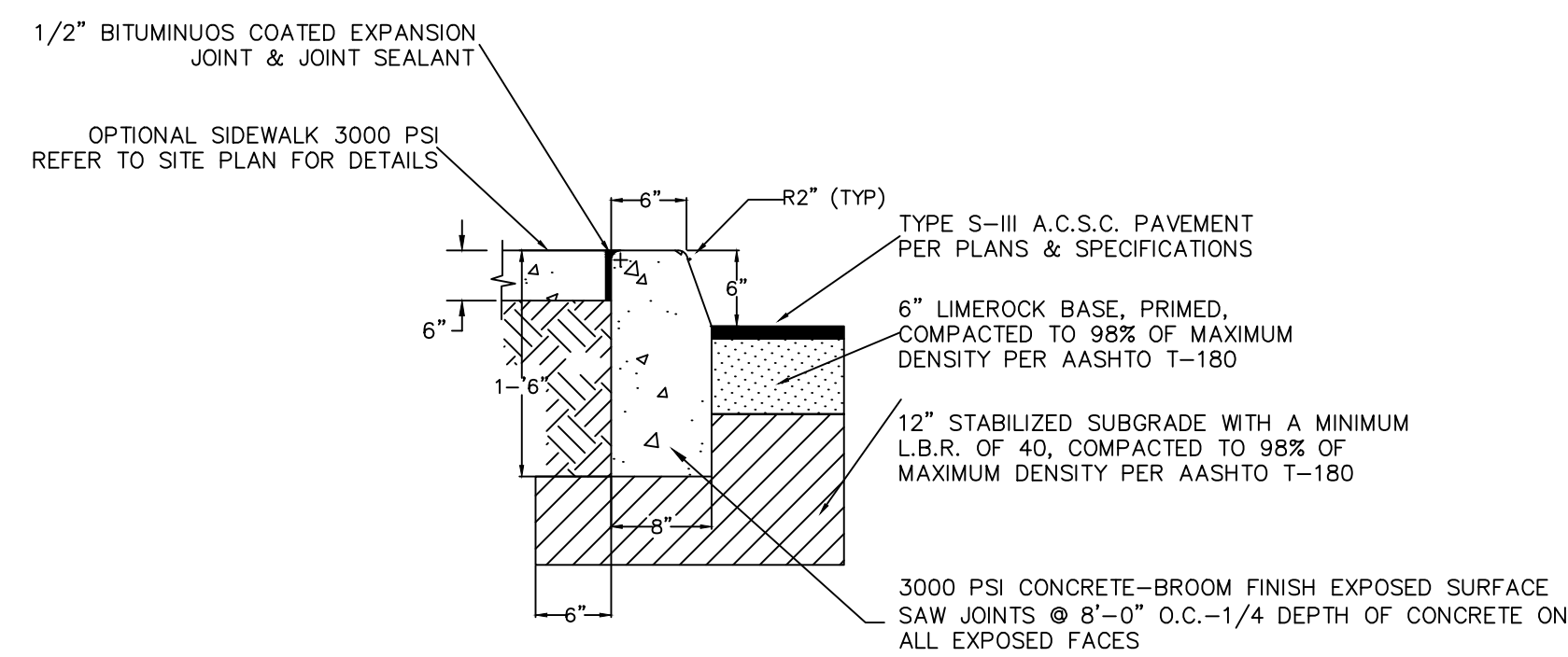
SIDEWALK AT DOOR
N.T.S.



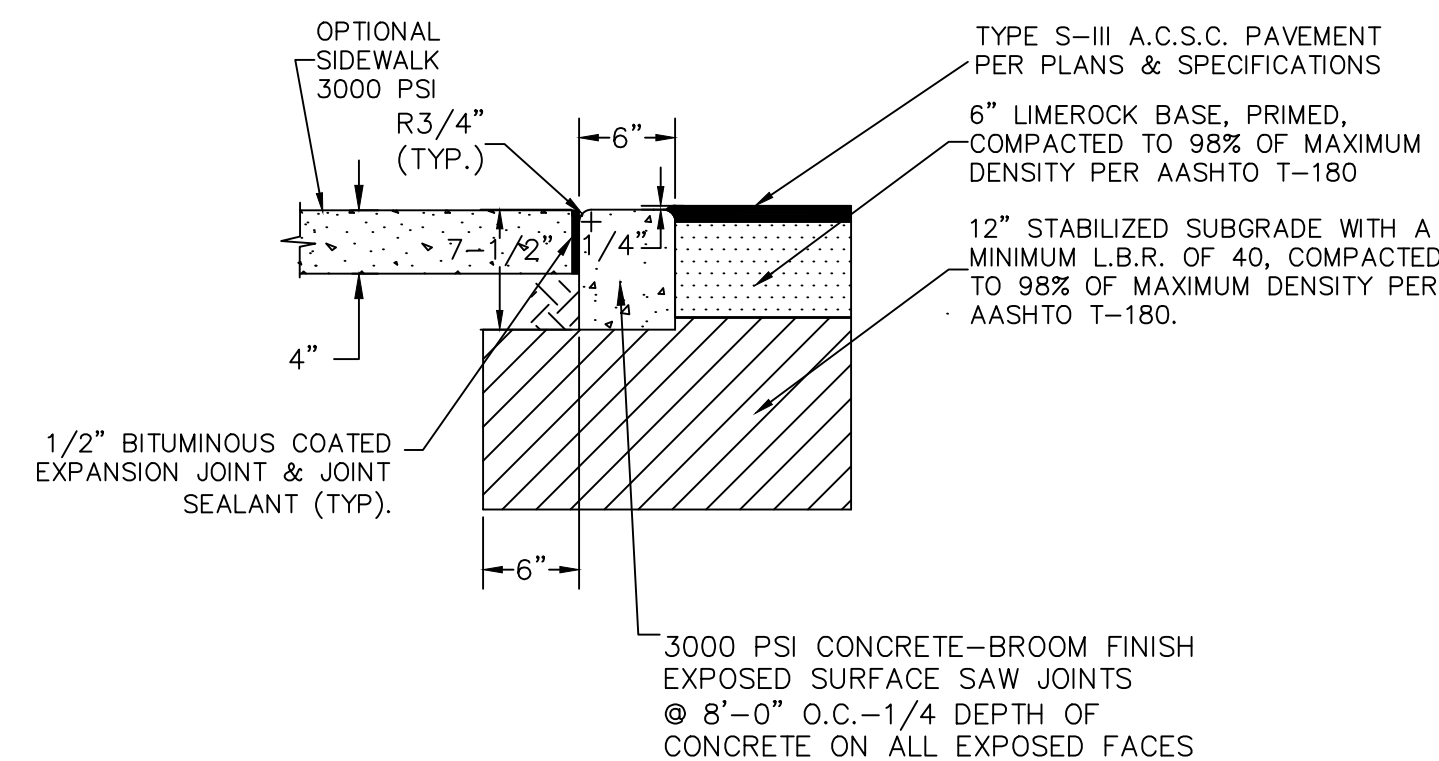
* 4'-0" MIN.

HANDICAP RAMPES	
SIDEWALK SLOPE	MIN. RAMP LENGTH (FT.)
0.00 %	6.00
0.25 %	6.19
0.50 %	6.39
0.75 %	6.60
1.00 %	6.82
1.25 %	7.06
1.50 %	7.32
1.75 %	7.60
2.00 %	7.90

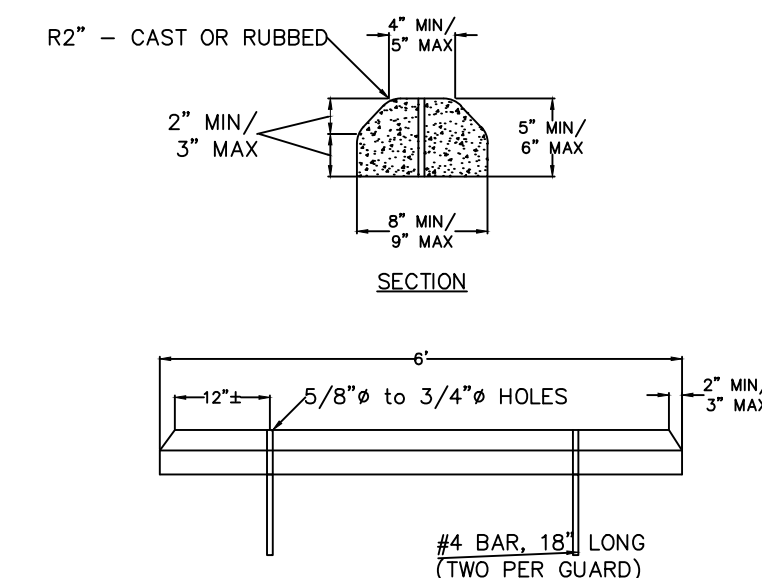
RAMP DETAIL
N.T.S.



TYPE "D" CURB DETAIL
N.T.S.



6" EDGE CURB
N.T.S.



CONCRETE WHEEL STOP DETAIL
N.T.S.

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CONSTRUCTION
DETAILS

EASTSIDE
VETERINARY HOSPITAL

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and Associates, LLC
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1120 W. MINNEOLA AVENUE, CLEMONT, FL 34711
Phone: (352) 242-9329
WWW.GERMANAENGINEERING.COM
CERTIFICATE OF AUTHORIZATION: 29279

SCALE "N"TS

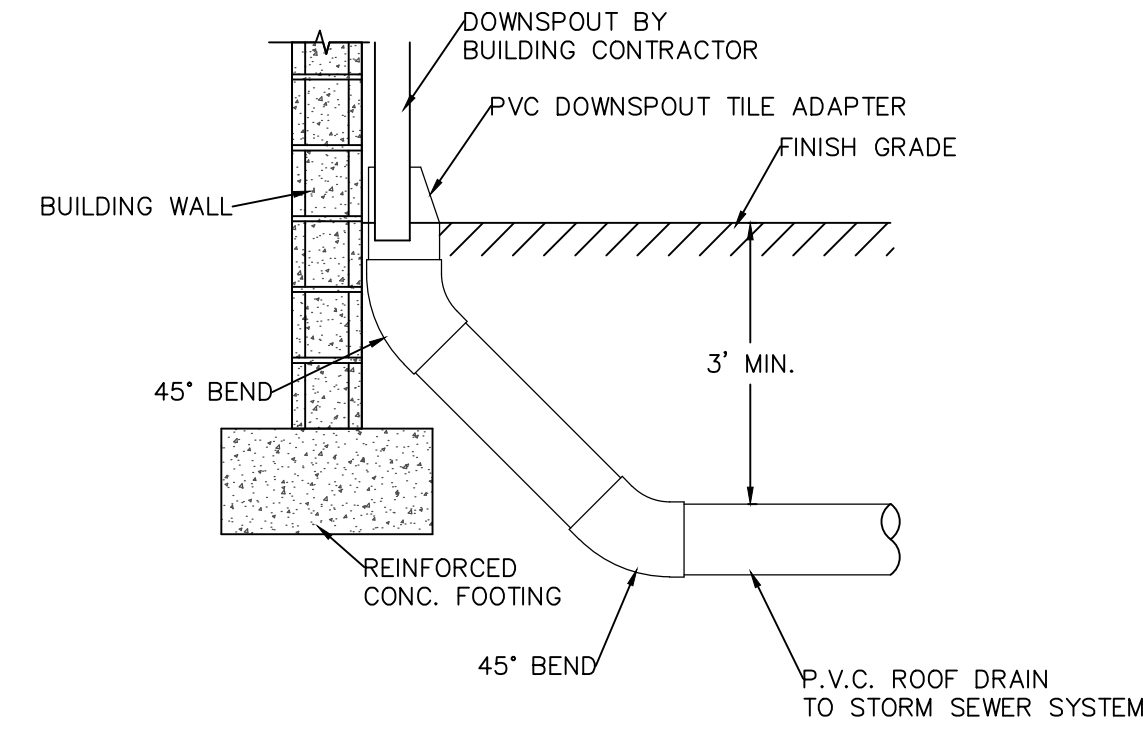
DATE
11/15/17

SHEET
C-8

CHRISTOPHER M. GERMANA, P.E.
FLORIDA PROFESSIONAL ENGINEER # 61682
FIRM CERTIFICATE OF AUTHORIZATION # 29279

PROJECT # GE0162017

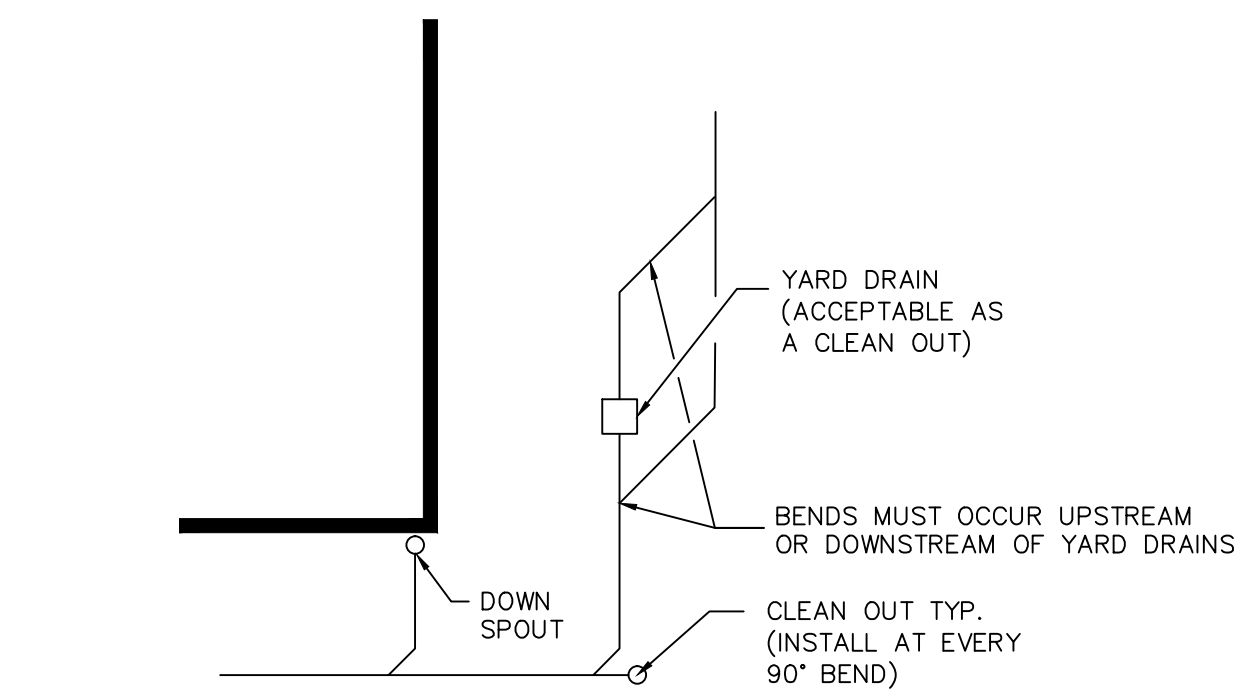
LAKE COUNTY, FLORIDA



NOTE: CONTRACTOR TO VERIFY THAT DOWNSPOUTS WILL FIT INTO ROOF DRAIN PIPE PRIOR TO INSTALLATION

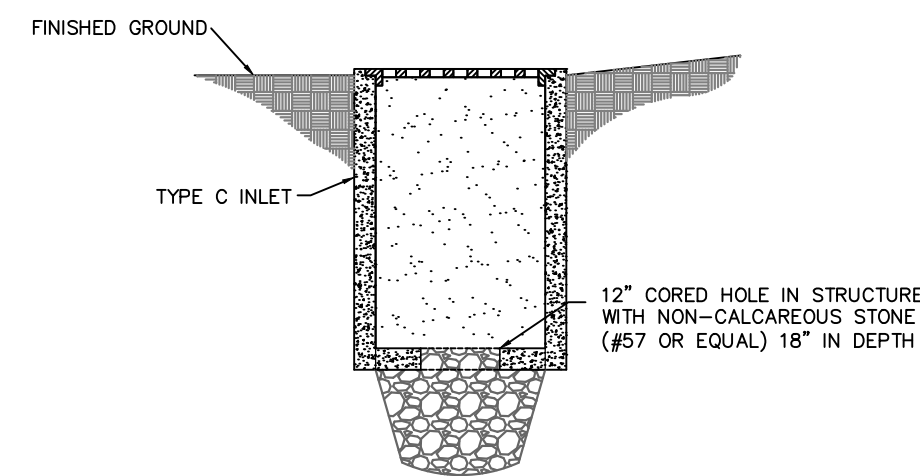
ROOF DRAIN/DOWNSPOUT CONNECTION DETAIL

N.T.S.



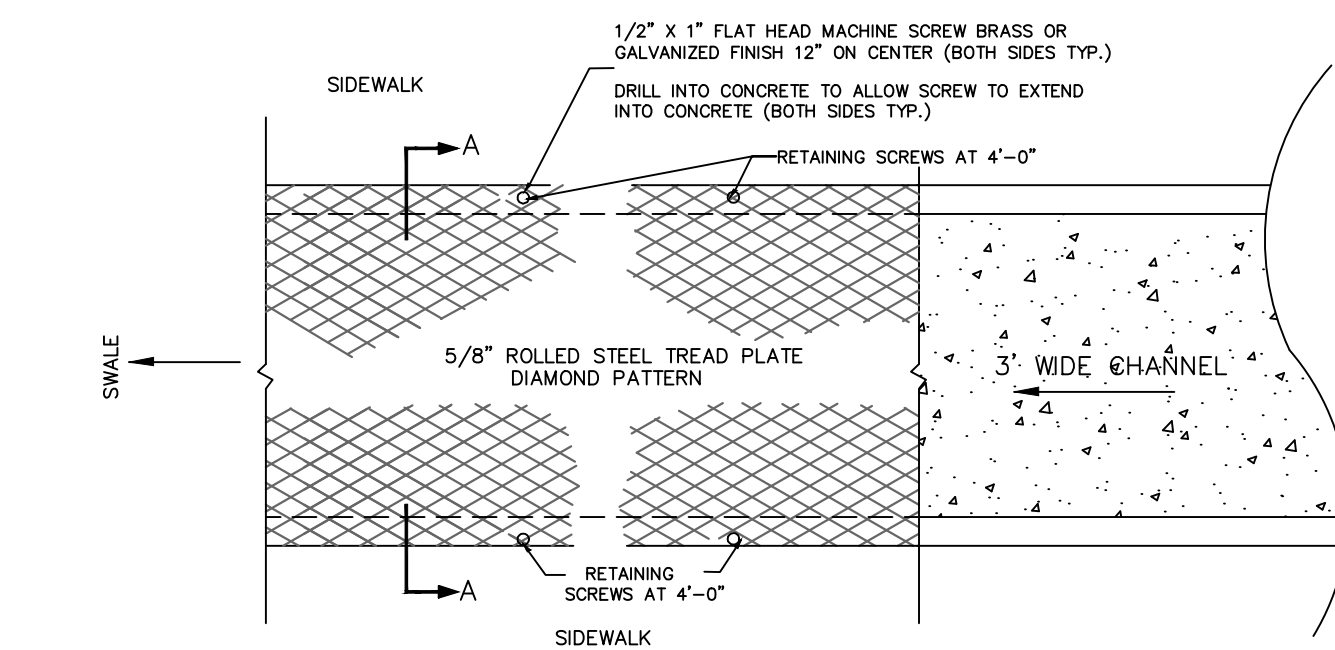
GUTTERS, DOWNSPOUTS AND COLLECTION SYSTEM DETAIL

NOTE: A ROOF DRAIN COLLECTION SYSTEM IS REQUIRED ON ALL COMMERCIAL FACILITIES

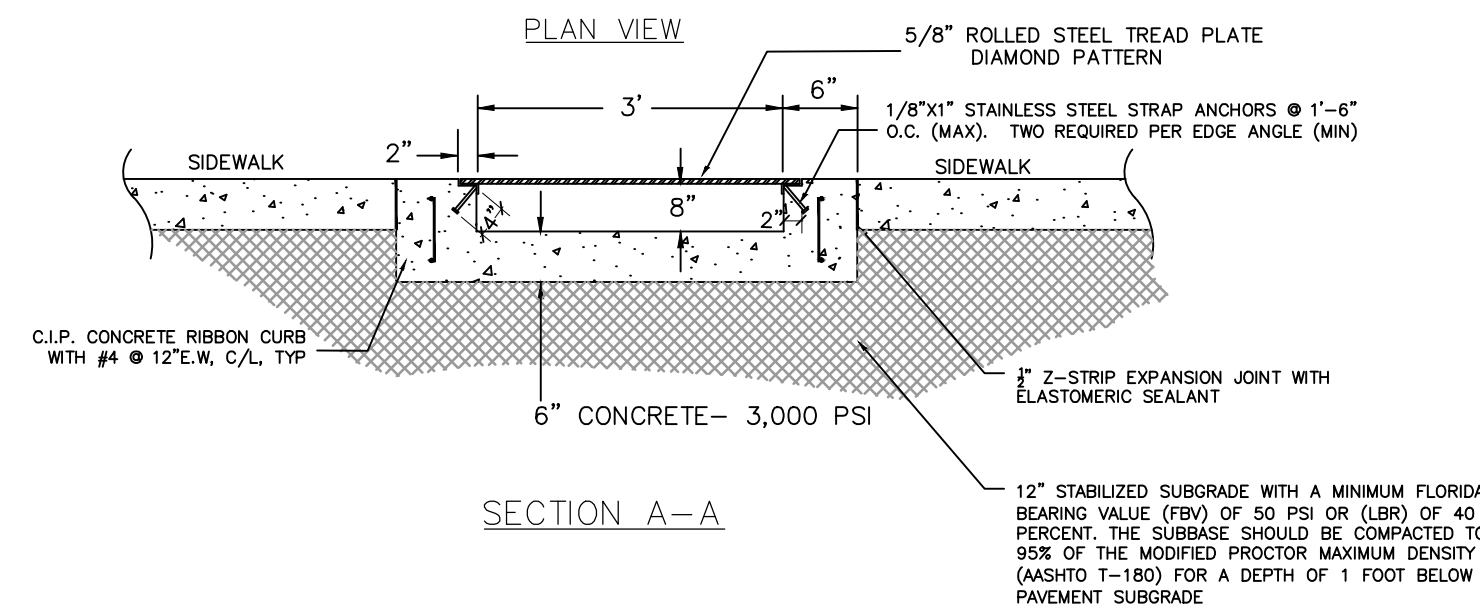


TYPE C INLET WITH CORED BOTTOM

N.T.S.



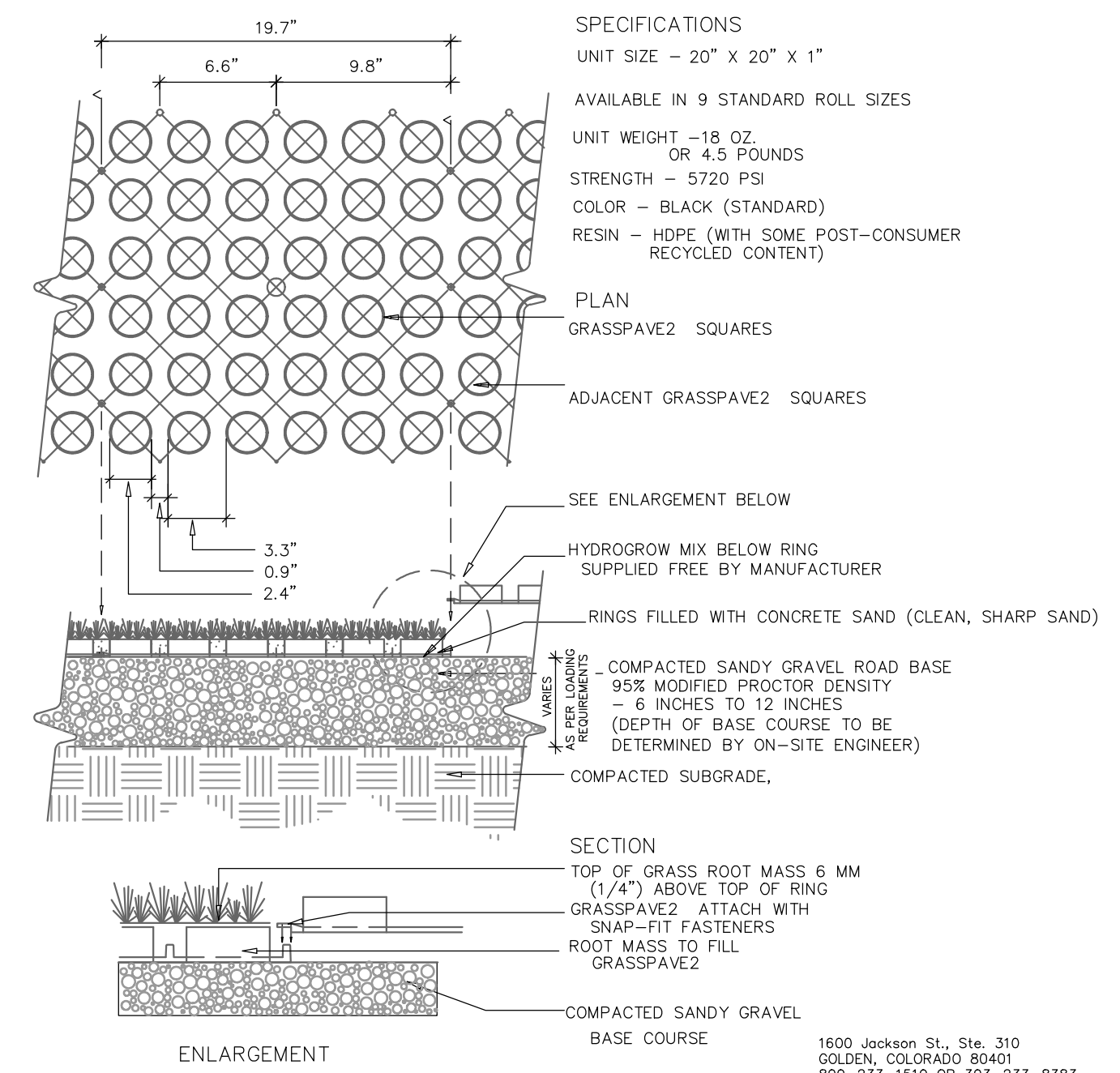
PLAN VIEW



SECTION A-A

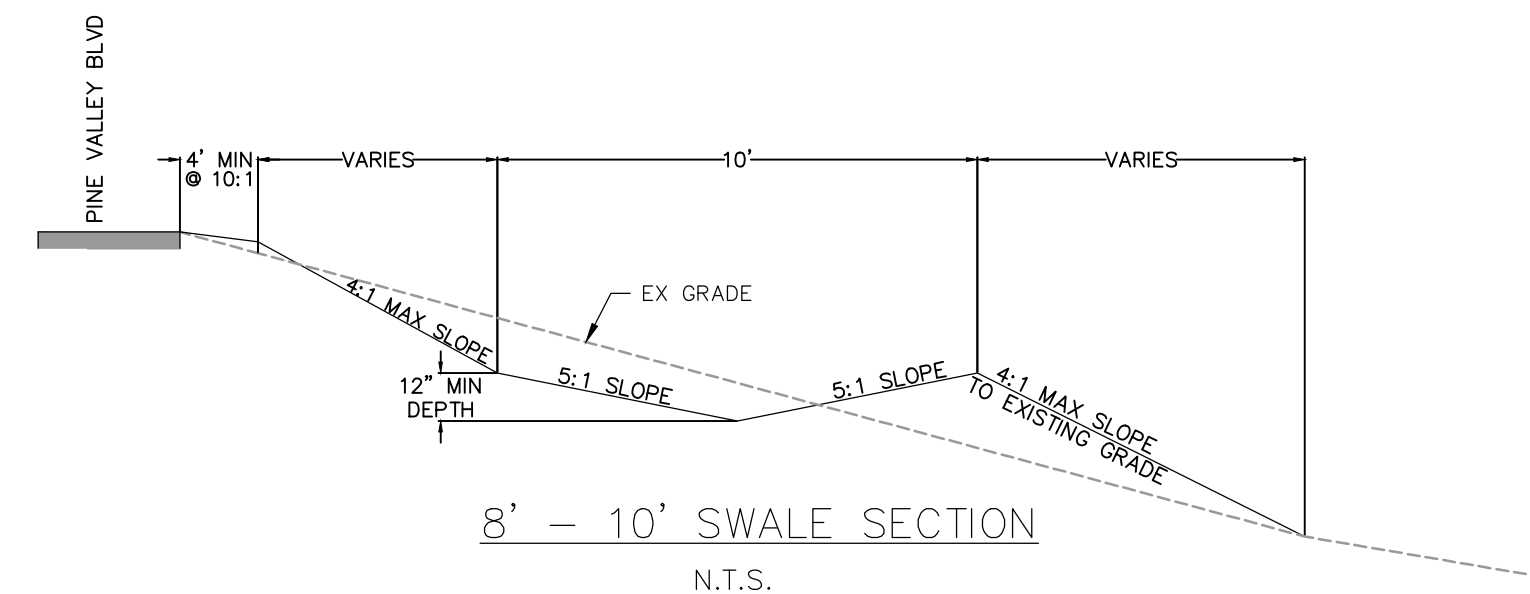
DRAINAGE UNDER SIDEWALK

N.T.S.



GRASSPAVE 2 DETAIL

N.T.S.



8' - 10' SWALE SECTION

N.T.S.

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CONSTRUCTION
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SCALE "NTS"

DATE
11/15/17

SHEET
C-9

CHRISTOPHER M. GERMANA, P.E.
FLORIDA PROFESSIONAL ENGINEER # 61682
FIRM CERTIFICATE OF AUTHORIZATION # 29279

PROJECT # GE0162017

LAKE COUNTY, FLORIDA

No.

REVISIONS

DATE