

EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE ECONOMICALLY EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
 2. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL USUALLY REQUIRE SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE, WHILE SANDY MATERIAL MAY NEED ONLY SITSCREENS ON SYNTHETIC BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHOULD BE USED IN OPEN WATER SITUATIONS. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORMWATER RUNOFF FROM BEING DISCHARGED TO WETLANDS OR OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES, AND OTHER EROSION/TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT.
 3. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO STATE WATER QUALITY STANDARDS PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENTATION, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
 4. THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL BARED SOIL STABILIZED. SITUATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-FOURTH THE DEPTH OF THE SITUATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN PLAIN AREAS.
 5. WATER REINAINING IN THE EXCAVATIONS AFTER CONSTRUCTION MUST BE KEPT CONFINED WITHIN THE EXCAVATIONS PRIOR TO DISCHARGE (IF APPLICABLE), UNTIL THE TURBIDITY LEVEL OF THE POND WATER MEETS STATE WATER QUALITY STANDARDS.
 6. NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN THE EXCAVATIONS. IF CLAY OR SANDY CLAYS ARE LEFT EXPOSED AT THE PERMITTED DEPTH, THE CONTRACTOR SHALL OVER EXCAVATE THE POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF 12 INCHES AND BACKFILL WITH CLEAN SANDS.
 7. PROVIDE ALL DISTURBED AREAS WITHIN THE LIMITS OF THE WORK WITH TEMPORARY SOIL EROSION CONTROL AND SEDIMENT CONTROL, UTILIZING EARTH DAMS & POUNDS, GRADE TO DRAIN SWALES, SETTLING BASINS, SIFTENCES, STONE FILTERS, SYNTHETIC BAILE FILTERS, ETC., TREATING ALL SOIL SURFACES WITH SEEDD TOPSOIL AND / OR MULCH AFTER GRADING.
 8. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
 9. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS SHALL BE COMPLIED WITH AT ALL TIMES.
 10. TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE PROTECTION MEASURES (I.E. SYNTHETIC BALES, BARRIERS, SODDING AND SUNDABAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
 11. PERMANENT VEGETATION SHALL BE BY SEEDING OR SODDING ALL EXPOSED AREAS WITHIN THREE DAYS AFTER FINAL GRADING. MULCH SHALL BE USED AS NECESSARY FOR PROTECTION UNTIL 75% GROWTH IS ESTABLISHED. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL WHICH WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY AS TO PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
 12. ALL NEW EROSION AND SILT CONTROL METHODS AND LOCATIONS INDICATED ON THIS DRAWING ARE FOR START-UP AND GENERAL REFERENCE ONLY AND SHALL BE ADJUSTED, AS REQUIRED, TO SUIT THE PROCESS OF THE CONSTRUCTION.
 13. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETEST SOIL DISTURBANCE. SODDING, PLANTING, SPRIGGING, OR SEEDING IS ACCEPTABLE FOR STABILIZATION. HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
 14. CONTRACTOR TO COMPLY WITH ALL REGULATIONS AS SET FORTH BY THE FDEP NPDES STORMWATER REGULATORY PROGRAM.
 15. CONTRACTOR TO CONSTRUCT PROPOSED STORMWATER POND SO THAT THE POND FUNCTIONS AS SEDIMENT BASINS TO SEPARATE SUSPENDED SOLIDS FROM PRODUCED GROUNDWATER.
 16. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE CITY.
 17. THE FINAL GRADING OF THE STORMWATER POND BOTTOM SHALL REMOVE THE FINAL SIX (6) INCHES AND SHALL BE THE LAST WORK IN THE CONSTRUCTION OF THE ROAD AND DRAINAGE FACILITIES. A SEDIMENT DETENTION AREA SHOULD BE EXCAVATED IN THE IMMEDIATE AREA OF ALL INFLOW POINTS. THIS AREA SHOULD BE DESIGNED TO COLLECT SEDIMENT DEPOSITS, ELIMINATE MOUNDING AND BE INTERFACED WITH THE POND SO AS NOT TO BE A HEALTH, SAFETY OR AESTHETIC PROBLEM.
- SIGN AND PAVEMENT MARKING NOTES:**
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL STANDARDS, CITY OF TAMPA, REQUIREMENTS AND TFC-2016-2017 DESIGN.
 2. ALL PAVEMENT MARKINGS SHALL BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC, UNLESS NOTED OTHERWISE.
 3. FOR THE FIRST LIFT OF ASPHALT AND THE FINAL LIFT OF ASPHALT.
 4. ALL PAVEMENT MARKINGS TO BE REMOVED SHALL BE PERFORMED BY HYDRO BLASTING.
 5. THE SIGN LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE ENGINEER.
 6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LENGTH OF THE COLUMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
 7. THE CONTRACTOR SHALL USE U-SHAPE STEEL POSTS FOR ALL POST MOUNTED SIGNS.
 8. LOCATION OF STOP BARS IS TO BE PER SECTION 8.16.6 OF THE MUTCD.

GENERAL SAFETY NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE PUBLIC AND THE SAFETY OF ALL WORKERS ON AND ADJACENT TO ALL WORK AREAS. DURING THE CONSTRUCTION AND MAINTENANCE OF THIS PROJECT, ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED.

2. LABOR SAFETY REGULATIONS SHALL CONFORM TO OSHA REQUIREMENTS, FLORIDA STATUTES, AND FOOT GUIDELINES STANDARDS. HILLSBOROUGH COUNTY HEALTH DEPARTMENT REGULATIONS, FDEP REGULATIONS, OSHA REGULATIONS AND ALL OTHER REQUIREMENTS. ALL WORK IN A R/W OR TRAFFIC AREA, MUST HAVE A MAINTENANCE OF TRAFFIC PLAN BY THE CONTRACTOR.

3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN HIS OWN SAFETY EQUIPMENT AND PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING AND MAINTAINING HIS WORKS ON THE SITE WITH ADEQUATE INFORMATION AND TRAINING TO ENSURE THAT ALL APPLICABLE REQUIREMENTS ARE MET. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE OWNER OR ENGINEER MAY INSPECT AND/OR ENFORCE SAFETY REGULATIONS, BUT THIS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS.

4. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND CALL OF FLORIDA AT 811 TO ARRANGE FIELD LOCATIONS, 48 HOURS PRIOR TO ANY EXCAVATION.

5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THIS CONSTRUCTION PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ALL EXISTING IMPROVEMENTS. ALL DISTURBED OFFSITE AREAS SHALL BE SODDED AT A MINIMUM

GENERAL SITE NOTES:

1. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL HAVE COPIES OF THE PERMITTED PLANS AND ALL PERMITS AVAILABLE ON SITE FOR USE & REVIEW. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN ACCORDANCE WITH ALL PERMITS AND PER THE INTENT OF THE PLANS. THE CONTRACTOR SHALL ASK THE EOR (ENGINEER OF RECORD) ABOUT ALL DISCREPANCIES ON THE PLANS (IF ANY) AND ALL DISCREPANCIES BETWEEN THE PLANS AND THE PERMITS/REGULATIONS, IF ANY. THE CONTRACTOR SHALL ARRANGE FOR ALL REQUIRED INSPECTIONS AND REQUIREMENTS AND TESTS SPECIFIED BY THE VARIOUS GOVT/INSPECTION AGENCIES AND THE EOR. THE EOR SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY REQUIRED TEST/INSPECTION.
2. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO IN THESE PLANS SHALL BE THE LATEST EDITION, UNLESS OTHERWISE NOTED. ALL WORK PERFORMED SHALL COMPLY WITH THE RULES, STANDARDS & REGULATIONS OF THE VARIOUS GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE WORK. ALL WORK SHALL BE CONSTRUCTED IN A PROFESSIONAL MANNER.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS OF THE SITE, INCLUDING DIMENSIONS & EXISTING UTILITIES, LOCATIONS/INVENTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE EOR PRIOR TO STARTING ANY WORK. NO INCREASE IN COST OR EXTENSION OF PERFORMANCE TIME WILL BE CONSIDERED FOR FAILURE TO KNOW THE EXISTING CONDITIONS.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NECESSARY CONSTRUCTION STAKING REQUIRED TO INSTALL THE IMPROVEMENTS SHOWN ON THE PLANS. THE EOR SHALL BE CONSULTED TO MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS, HOWEVER THIS IN NO WAY RELEASES THE CONTRACTOR OF HIS RESPONSIBILITY FOR CONSTRUCTING THE IMPROVEMENTS TO ACCOMPLISH THE INTENT OF THE PLANS.
5. OVERALL CLEANUP SHALL BE ACCOMPLISHED BY THE CONTRACTOR IN ACCORDANCE WITH CITY STANDARDS AND/OR AS DIRECTED BY THE EOR. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL OR BETTER THAN THE EXISTING CONDITION, PRIOR TO CONSTRUCTION. UNLESS SPECIFICALLY EXEMPTED BY THESE PLANS, RESTORATION SHALL BE INCIDENTAL TO CONSTRUCTION AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS, ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.
6. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE EOR. PAVEMENT SHALL NOT BE MADE FOR THIS WORK.
7. IN THE ABSENCE OF AN APPLICABLE SPECIFICATION, USE THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, 2015, IN THE ABSENCE OF AN APPLICABLE DETAIL, USE THE FDOT FY 2016-17 DESIGN STANDARDS.
8. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988, UNLESS OTHERWISE NOTED.
9. ALL PIPE LENGTHS ARE APPROXIMATE & MEASURED FROM CENTER OF FITTING, (UNO).
10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THIS CONSTRUCTION PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ALL EXISTING IMPROVEMENTS. ALL DISTURBED HOSTSITE AREAS SHALL BE SODDED AT A MINIMUM
11. WHERE FILL MATERIAL IS REQUIRED, THE EXISTING VEGETATION AND ROOTS SHALL BE REMOVED PRIOR TO LAYING AND FILL MATERIAL. THE FILL SHALL BE PLACED IN NO GREATER THAN 12" LIFTS AS SPECIFIED IN THE DETAIL. THE FILL SHALL BE PLACED TO A MINIMUM OF 6" PER FOOT, PER ASHDOT 1-189. FILL MATERIAL SHALL BE CLEAN COARSE SAND WITH LESS THAN 1% SILT, CLAY AND ORGANICS. BACKFILL IS CONSIDERED THE SAME AS FILL.
12. LEGAL DESCRIPTIONS, BOUNDARY SURVEYS, TOPOLOGICAL SURVEYS, TREE SURVEYS, OCCUPATIONAL SURVEYS, EXISTING EASEMENTS AND, RIGHT-OF-WAYS HAVE BEEN SUPPLIED TO THE EOR BY OTHERS AND THE EOR ASSUMES NO RESPONSIBILITY FOR THEIR CORRECTNESS, OR ACCURACY. THE EOR'S WORK SHOWN ON THE PLANS, IS BASED UPON SURVEY INFORMATION PROVIDED BY THE CLIENT. LOCATIONS OF ALL EXISTING UTILITY FACILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE EOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY FACILITIES THAT INTERFERE WITH THE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED THE CONTRACTOR'S SHALL BE THE RELOCATION OF VARIOUS UTILITY FACILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
13. ALL WORK SHALL BE ACCOMPLISHED IN A PROFESSIONAL MANNER & IN ACCORDANCE WITH LOCAL STANDARDS.
14. THE CONTRACTOR MAY SUBSTITUTE ANY SPECIFIED ITEM WITH AN APPROVED EQUAL & THE CONTRACTOR MAY RELOCATE ANY ITEM WITH THE EOR'S APPROVAL.
15. THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS OF ALL MANUFACTURED ITEMS TO THE EOR FOR APPROVAL PRIOR TO INSTALLATION. ALL UNDERGROUND PIPING MUST BE IN PLACE AND TESTED OR INSPECTED PRIOR TO BEING BACKFILLED. INCLUDING SLEEVES FOR ELECTRIC CABLE, IRRIGATION AND/OR TELEPHONE. ALL ON-SITE PIPING SHALL BE PROPERLY BEDDED PER THE MANUFACTURER'S SPECIFICATIONS. ALL H-20 LOADING AND IN ACCORDANCE WITH THE APPLICABLE COT/FOOT REGULATIONS.
16. INSTALL ALL SILT FENCES, RIP RAP, SPLASH BLOCKS, DOWNSPOUTS AND ALL OTHER EROSION CONTROL DEVICES PROPERLY, SO THAT NO EROSION OCCURS.
17. EROSION CONTROL/REPLENTMENTATION BARRIERS (ANY BALES OR STYLATION CURTAINS) SHALL BE PROVIDED TO PREVENT SITUATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IN ADDITION, CONSTRUCTION SHALL PLACE STRAW MULCH OR OTHER SUITABLE MATERIAL ON GROUND, IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC TO ENTER AND EXIT SITE. IF, IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR LOCAL AUTHORITIES.
18. SURVEY DATA PROVIDED BY WILLIAMS ON & ASSOCIATES, INC. JOB #14-276
19. TREE ROOTS SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE PROTECTIVE ROOT ZONE, AS INDICATED.
20. PROVIDE A MINIMUM 2" LAYER OF MULCH ON SURFACE OF ALL EXPOSED ROOTS.
21. UNDERGROUND UTILITIES SHALL MAINTAIN 20" MINIMUM DISTANCE FROM PROTECTED TREES, SOIL, AUGER TO TUNNEL UNDER ROOTS, UNLESS OTHERWISE DIRECTED BY EOR.
22. TREE BARRICADES & SILT SCREENS MAY BE FIELD ADJUSTED WITH CITY LANDSCAPE INSPECTOR APPROVAL.
23. ALL TREE TRIMMING SHALL BE IN ACCORDANCE WITH ANSI A300 (PART 1) 2008 & MANAGEMENT OF TREES DURING CONSTRUCTION IN ACCORDANCE WITH ANSI A300 (PART 5) 2012.

REVISION	DATE
COT & SWFMD (CHL)	5/8/17
COT SAN SEWER (CHL)	6/8/17
GEN COT (CHL)	6/29/17
GEN COT & SWFMD (CHL)	8/18/17
COT TRANS & NR (CHL)	9/15/17
COT STORM & SWFMD (CHL)	10/04/17

GENERAL NOTES

**THE RESERVE AT
CURIOSITY CREEK**
9609 N BLVD & 9606 N OLA ST
TAMPA, FL 33612

OWNER:
ST. MAARTEENS ONE, LLC
11301 NORTH 53RD ST, TAMPA, FL 33617
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CLIFFORD H LAUBSTEIN PE
0827 ALAFIA ST * GIBSONTOWN, FL * 33534-4911
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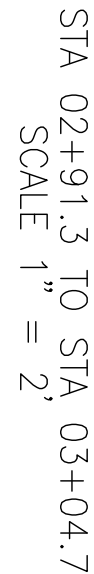
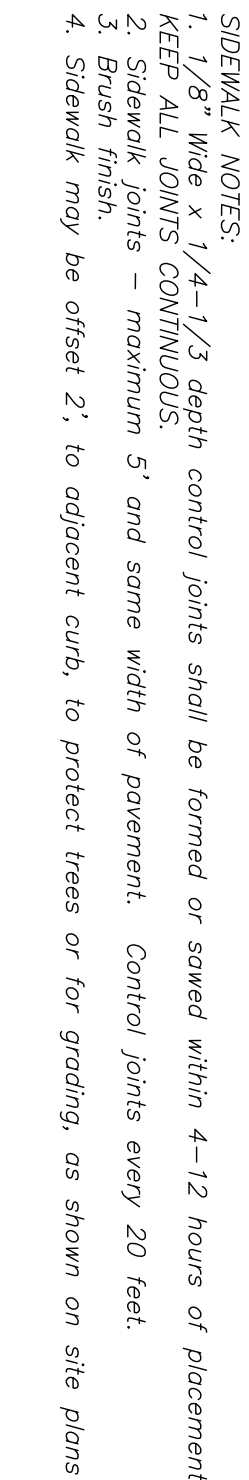
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SHEET:

C-2A

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITIES TO BE PROTECTED PRIOR TO STARTING ANY WORK.

ROADWAY PAVEMENT
1.75' TYPE I ASPHALTIC CONCRETE, FSS SECTION 334, TRAFFIC LEVEL B, COMPACTED TO 96% DESIGN BULK SPECIFIC GRAVITY
0.6" LUMBER LOG>= 100, FSS SECTION 911, COMPACTED TO 98% ASHTO T-180, PRIME & TACK COAT W/RC 70.
0.6" RCA LB>= 150, FSS SECTION 911, COMPACTED TO 98% ASHTO T-180, PRIME & TACK COAT W/RC 70.
12" COMPACTED SUBGRADE TO 98% ASHTO T-180.
4" CURB PAD - ASPHALTIC CONCRETE TYPE ABC W/MARSHALL-1000.



REVISION	DATE
COT & SWEIND (CHL)	5/6/17
COT SAN SENIOR (CHL)	6/9/17
COT COT (CHL)	6/29/17
GEN COT & SWEIND (CHL)	8/18/17
COT THAINS & MR (CHL)	9/5/17
COT STORM & SWEIND (CHL)	10/04/17

TYPICAL ROADWAY SECTIONS

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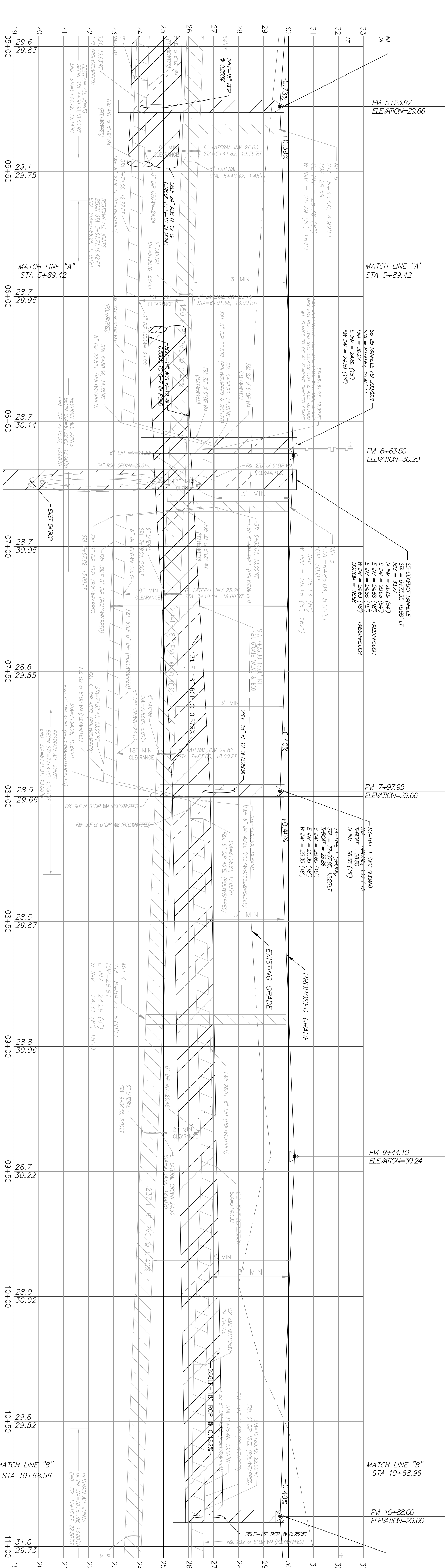
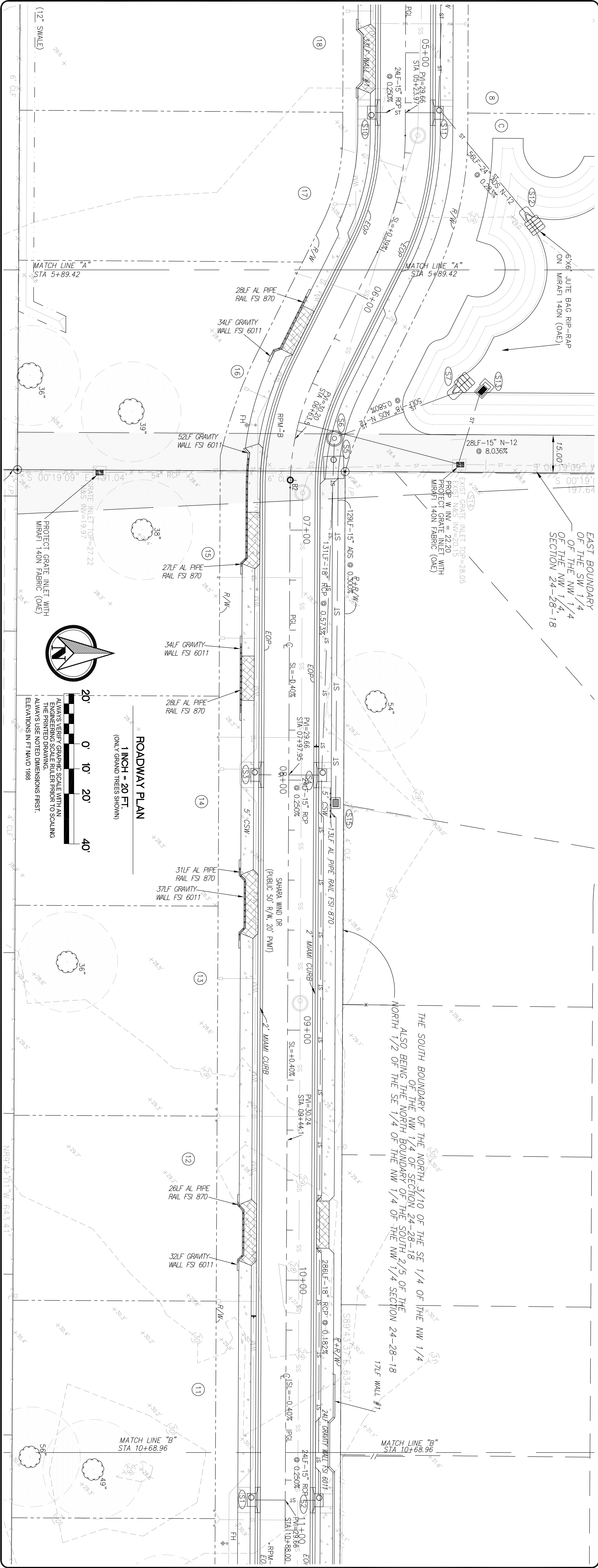
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SHEET:

C-3A

BEFORE YOU DIG CALL 811
SUNSHINE STATE ONE CALL
48 HOURS PRIOR TO ANY EXCAVATION
WWW.CALLSUNSHINE.COM

CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO STARTING ANY WORK.



ROADWAY PROFILE
HORIZ. 1" = 20 FT.
VERT. 1" = 2 FT.
ELEVATIONS IN FT. NAD 1988

BEFORE YOU DIG CALL 811
SUNSHINE STATE ONE CALL EXCAVATION
WWW.CALLSUNSHINE.COM

THIS DRAWING IS THE PROPERTY OF CLIFFORD H. LAUBSTEIN & ASSOCIATES, P.A. (C&A). IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF C&A. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE ACCURACY OF THE INFORMATION PROVIDED. C&A SHALL NOT BE RESPONSIBLE FOR ANY CONSEQUENCES ARISING FROM THE USE OF THIS DRAWING.

THIS DRAWING AND DESIGN IS VALID FOR 12 MONTHS AFTER THE DATE IT IS ISSUED AND SEALED.

REVISION	DATE
001 & 002 (C&A)	5/8/17
003 (C&A)	6/29/17
004 (C&A)	6/29/17
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006 (C&A)	6/29/17
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ROADWAY PLAN AND PROFILE

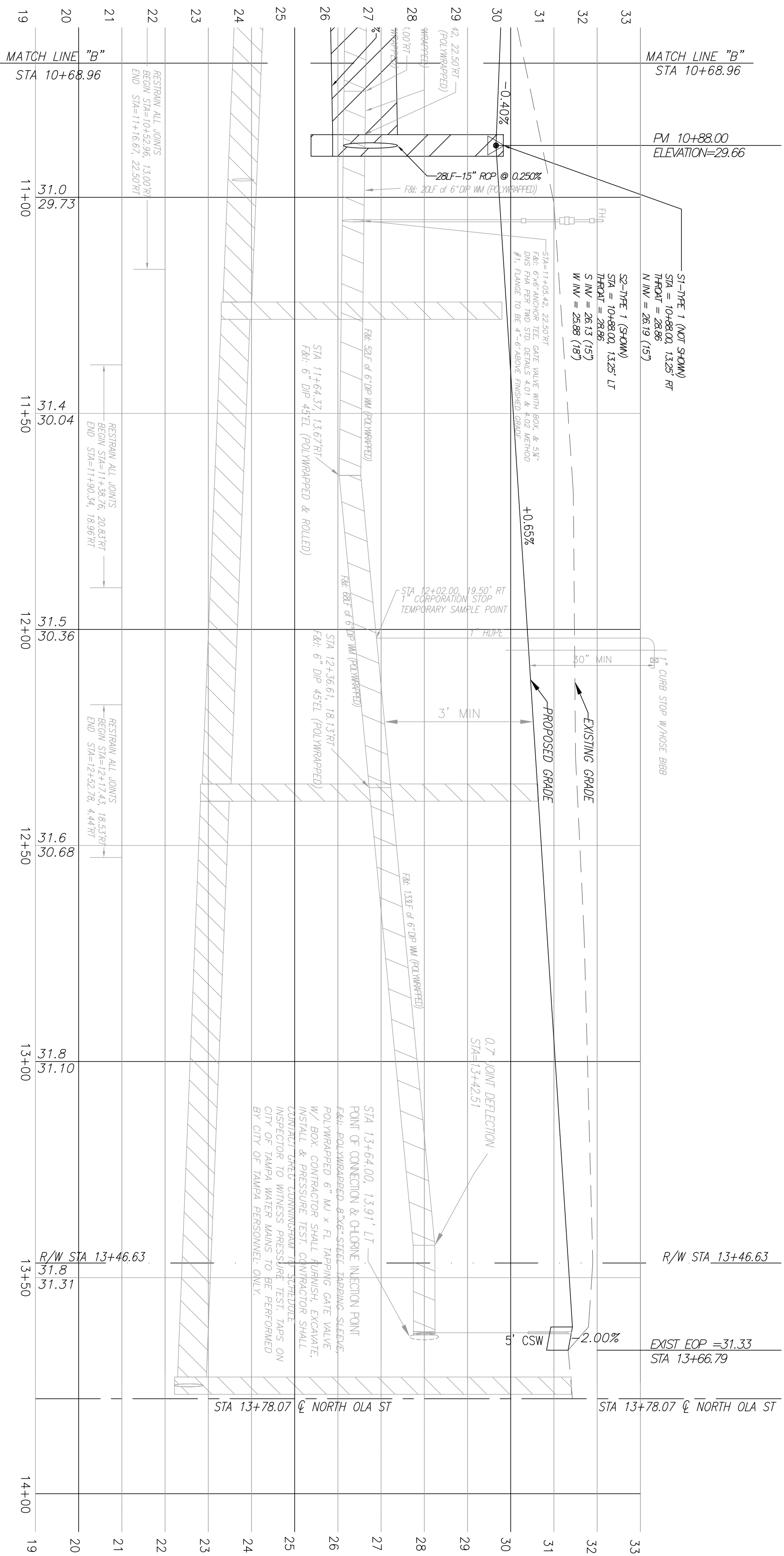
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DATE: 10/4/17
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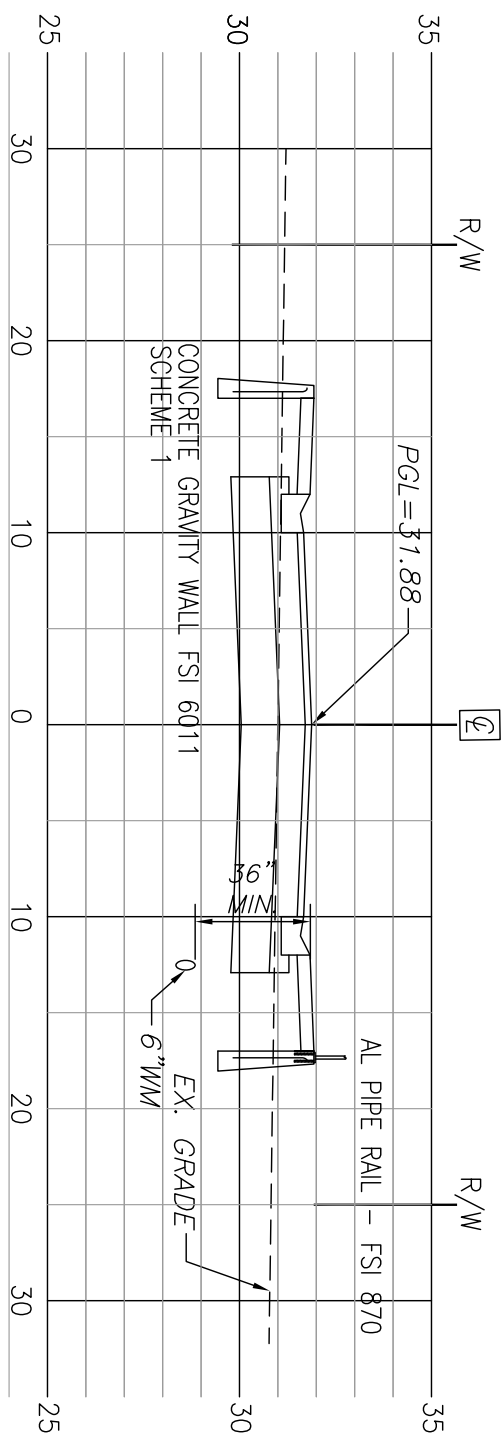
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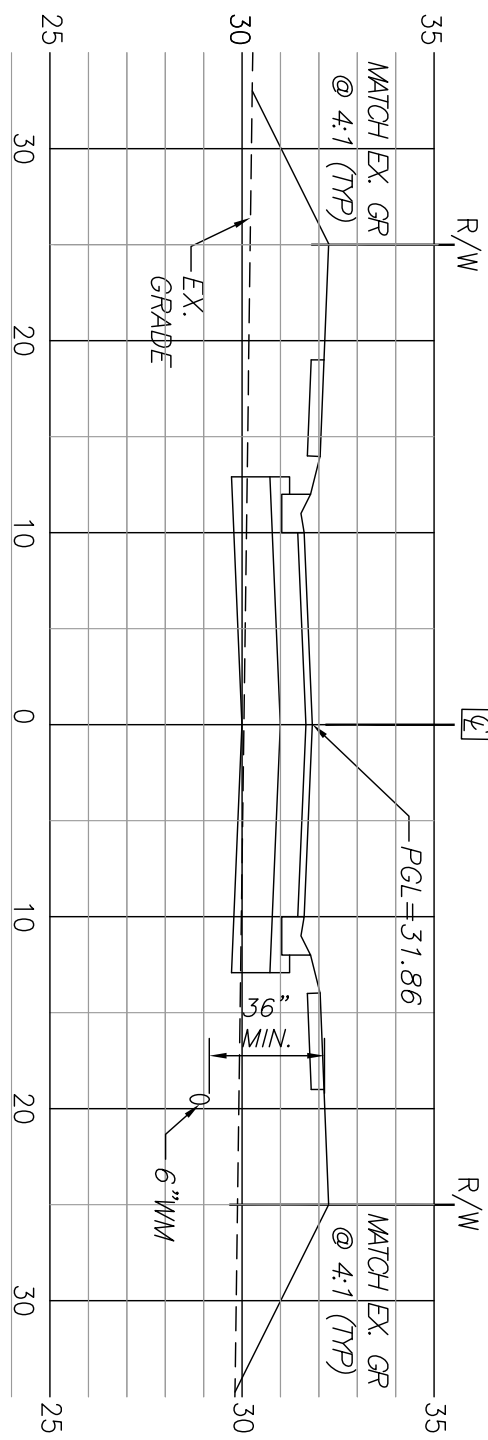
HORZ: 1 INCH = 20 FT
VERT: 1 INCH = 2 FT.
ELEVATIONS IN FT NAVD 1988

<p> <i>S1-TYPE 1</i> <i>STA</i> = 10+88.00, 13.25' <i>RT</i> <i>THROAT</i> = 28.86 <i>N INV</i> = 26.19 (15') </p>	<p> <i>S2-TYPE 1</i> <i>STA</i> = 10+88.00, 13.25' <i>LT</i> <i>THROAT</i> = 28.86 <i>S INV</i> = 26.13 (15') <i>N INV</i> = 23.68 (18') </p>	<p> <i>S3-TYPE 1</i> <i>STA</i> = 7+92.95, 13.25' <i>RT</i> <i>THROAT</i> = 28.86 <i>N INV</i> = 26.66 (15') </p>	<p> <i>S4-TYPE 1</i> <i>STA</i> = 77+97.95, 13.25' <i>LT</i> <i>THROAT</i> = 28.86 <i>S INV</i> = 26.60 (15') <i>E INV</i> = 25.36 (18') <i>W INV</i> = 25.35 (18') </p>	<p> <i>S5-CONFLICT MANHOLE</i> <i>STA</i> = 6+13.53, 16.88' <i>LT</i> <i>RTM</i> = 30.27 <i>N INV</i> = 20.09 (54') - <i>EXIST</i> <i>S INV</i> = 20.08 (54') - <i>EXIST</i> <i>E INV</i> = 24.68 (18') - <i>PASSTHROUGH</i> <i>E INV</i> = 25.36 (15') <i>W INV</i> = 24.63 (18') - <i>PASSTHROUGH</i> <i>BOTTOM</i> = 18.53 </p>	<p> <i>S6-JIB MANHOLE FSI 200/201</i> <i>STA</i> = 6+59.82, 15.40' <i>LT</i> <i>RTM</i> = 30.27 <i>E INV</i> = 24.60 (18') <i>NW INV</i> = 24.59 (18') </p>	<p> <i>S7-FES FSI 270</i> <i>STA</i> = 6+40.53, 56.99' <i>LT</i> 24.50 </p>
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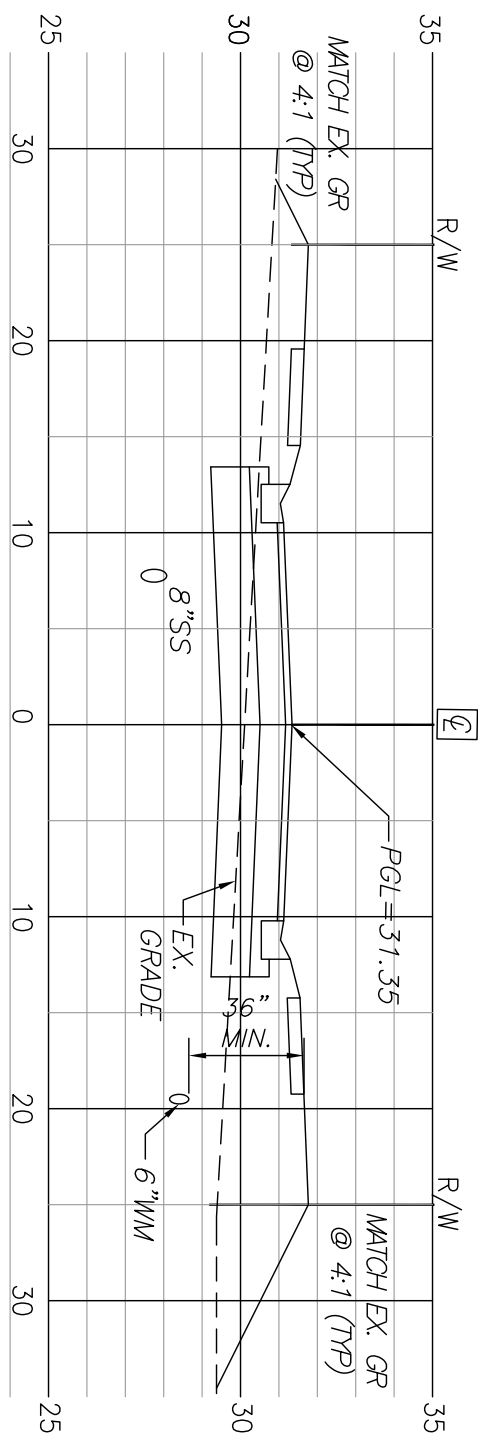
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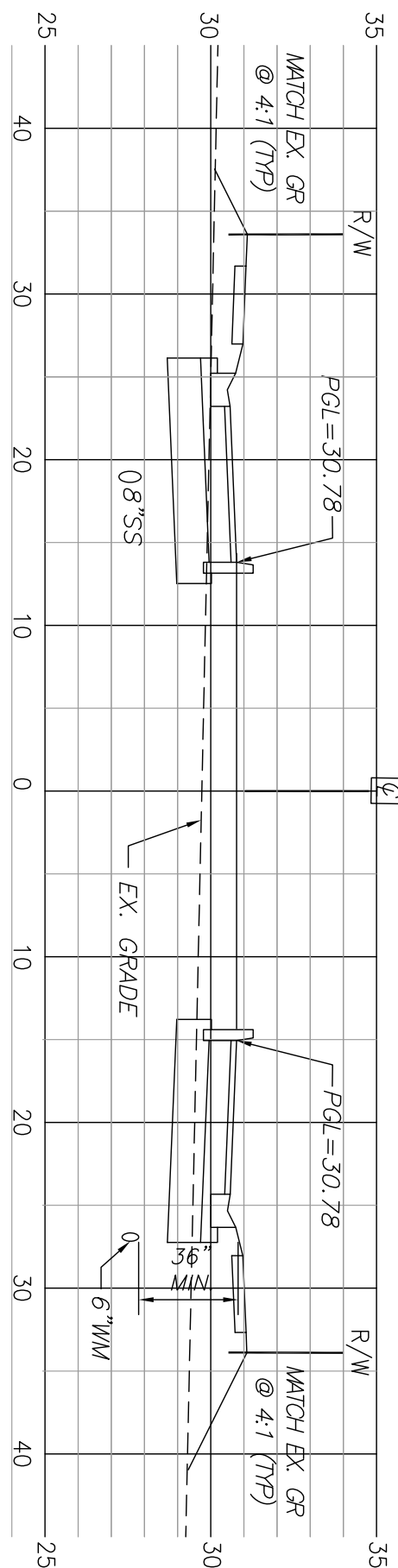
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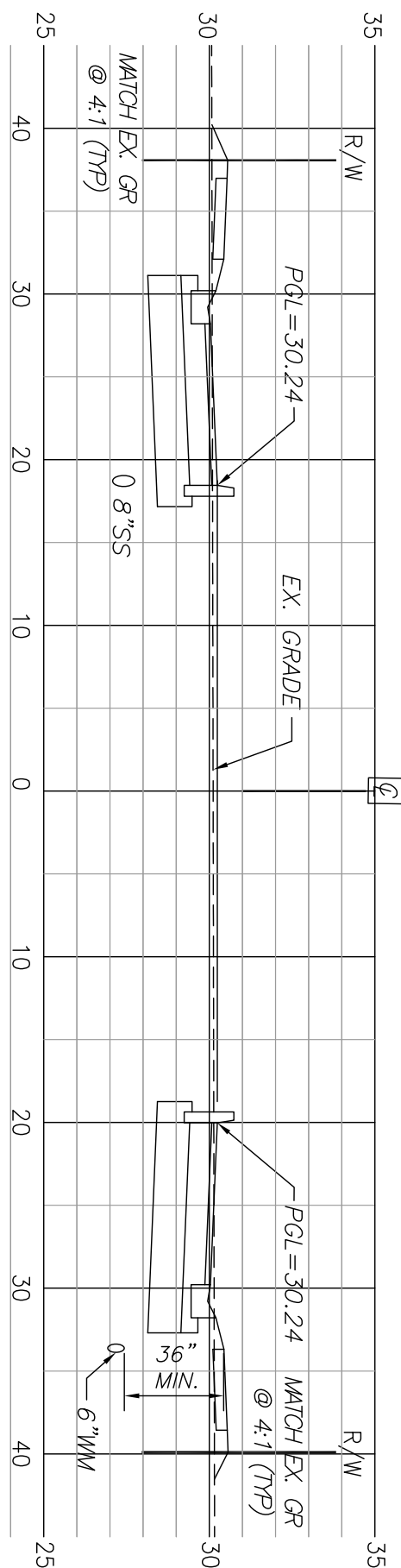
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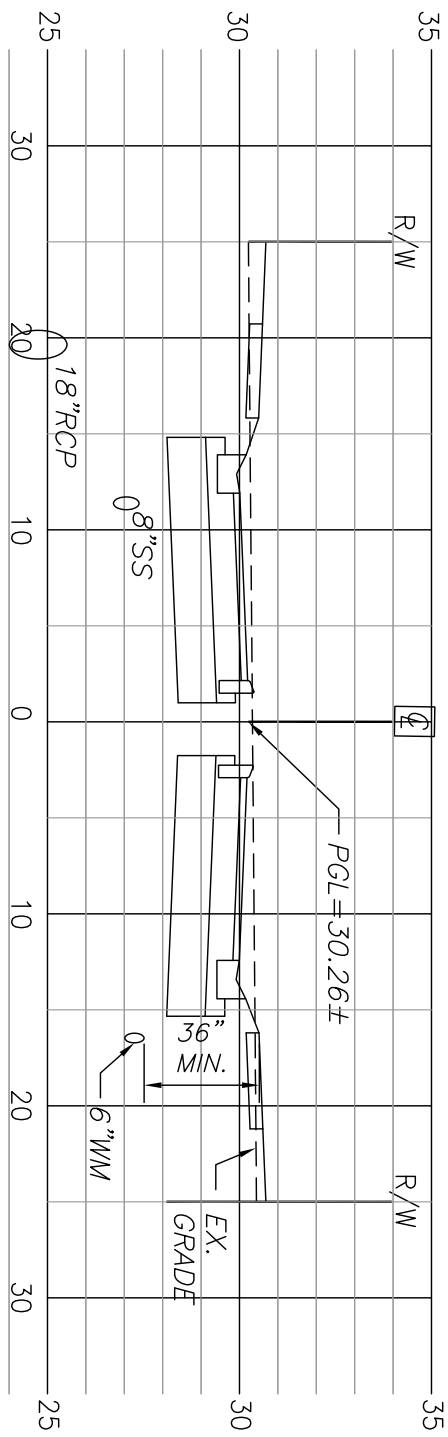
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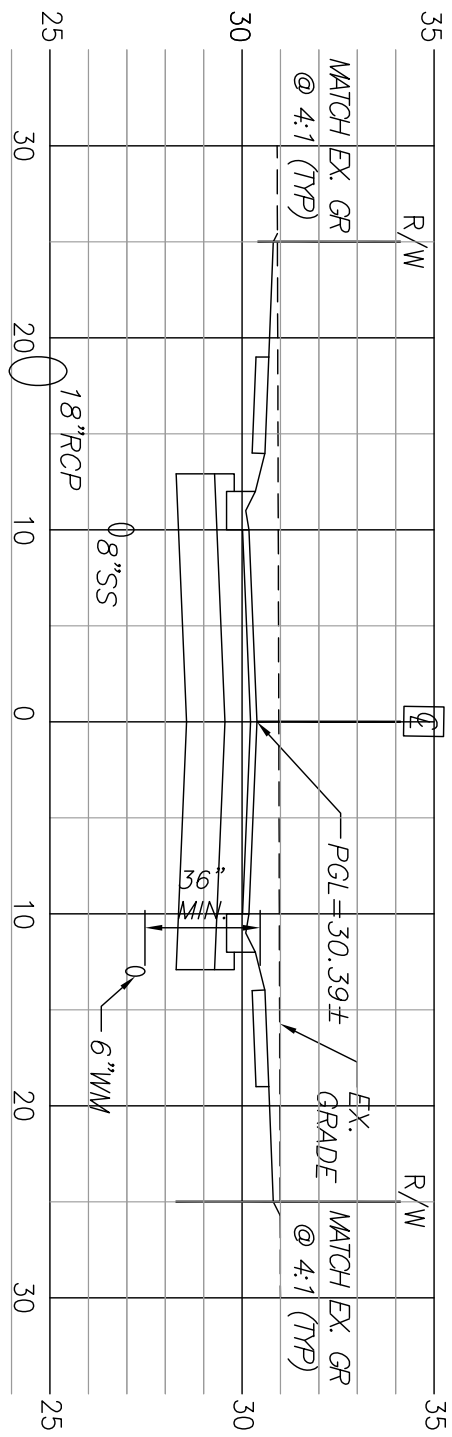
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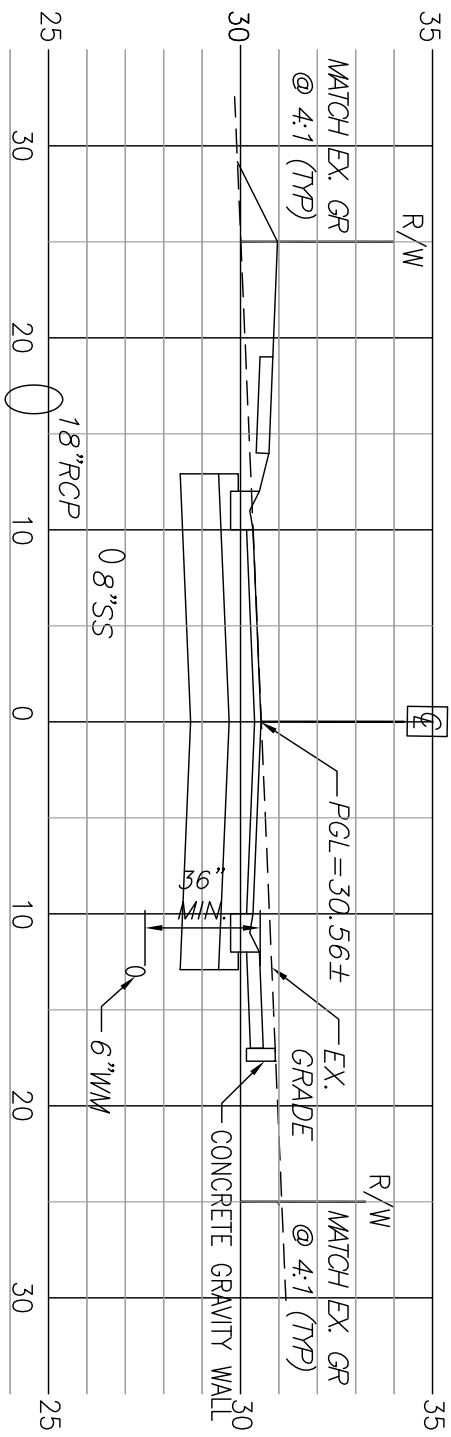
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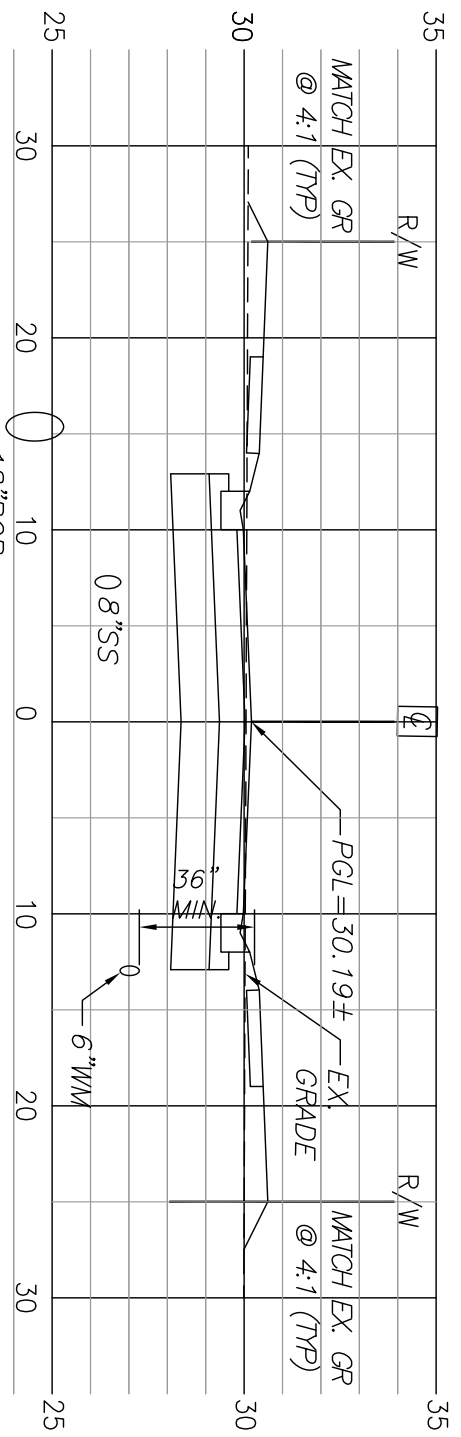
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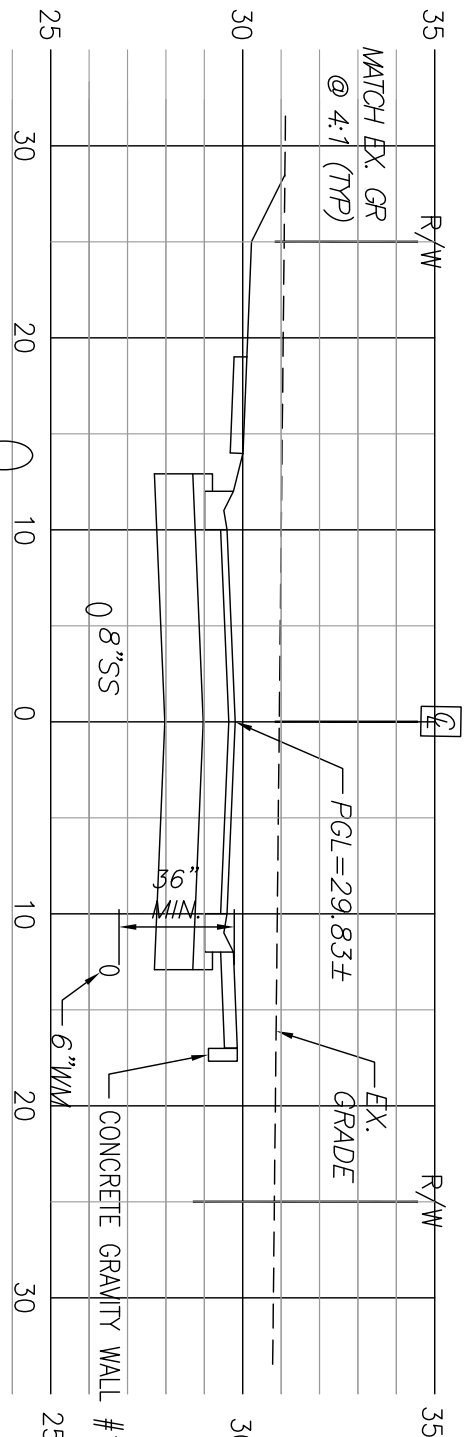
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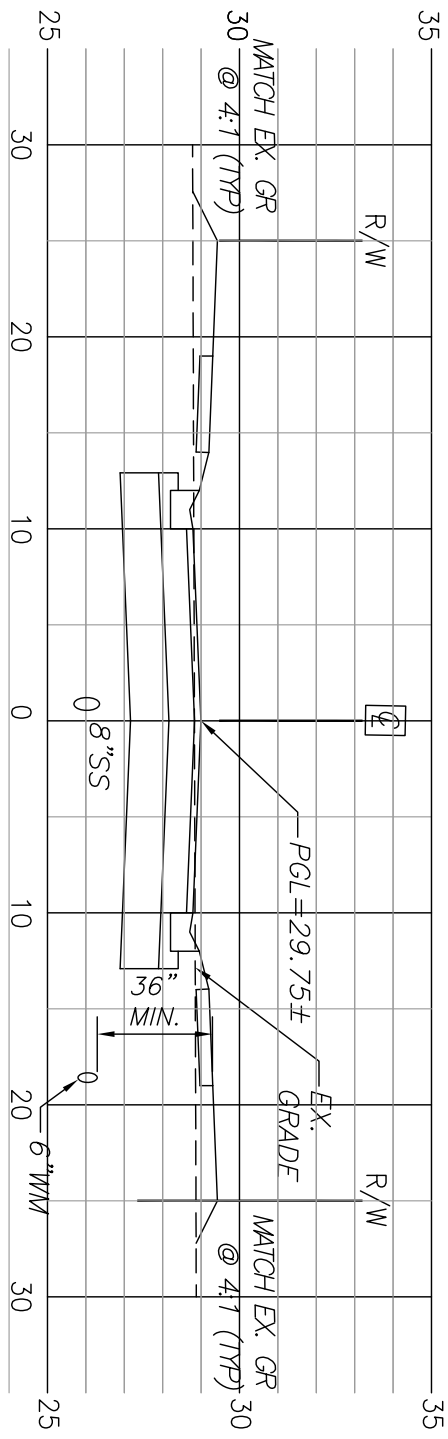
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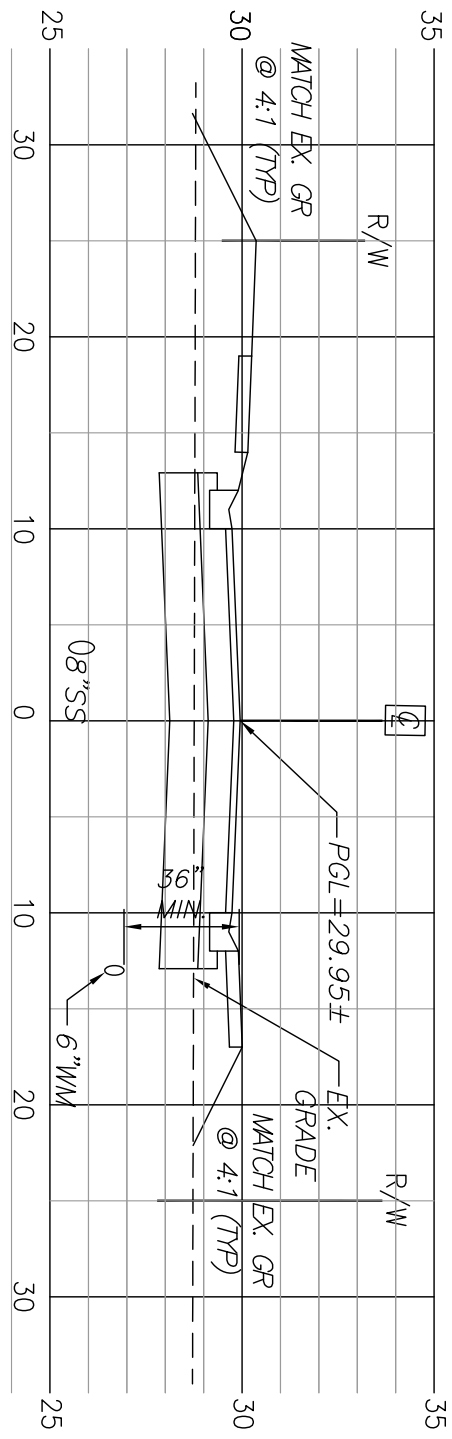
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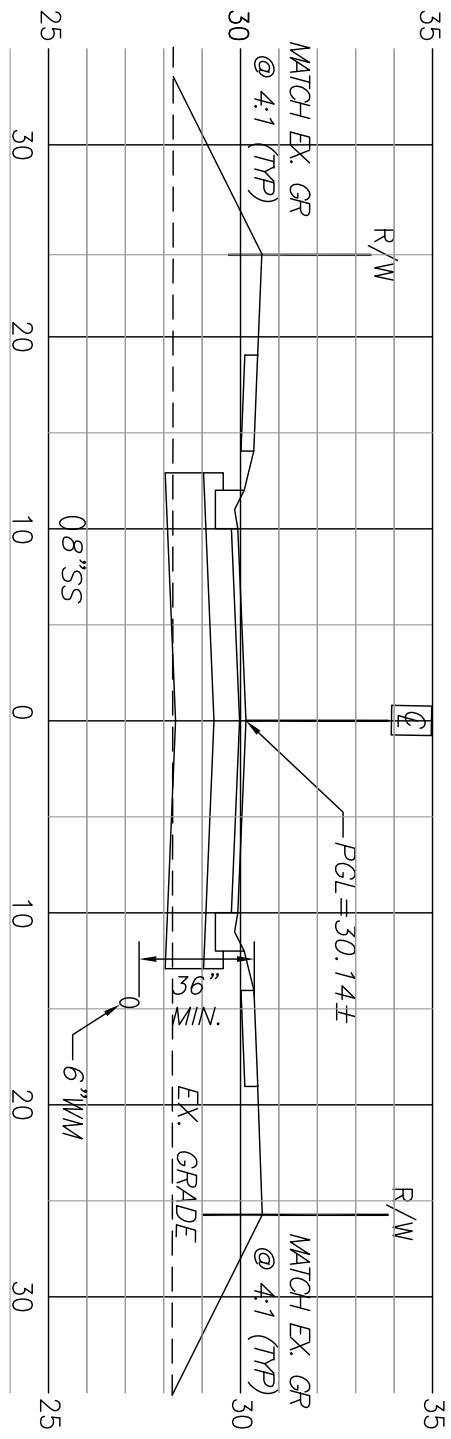
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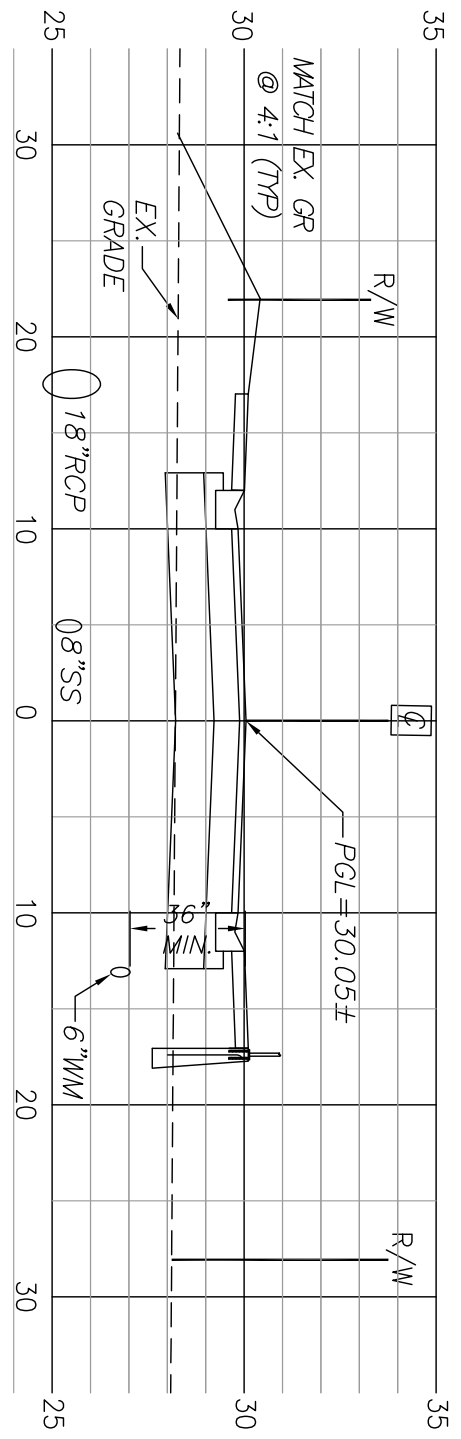
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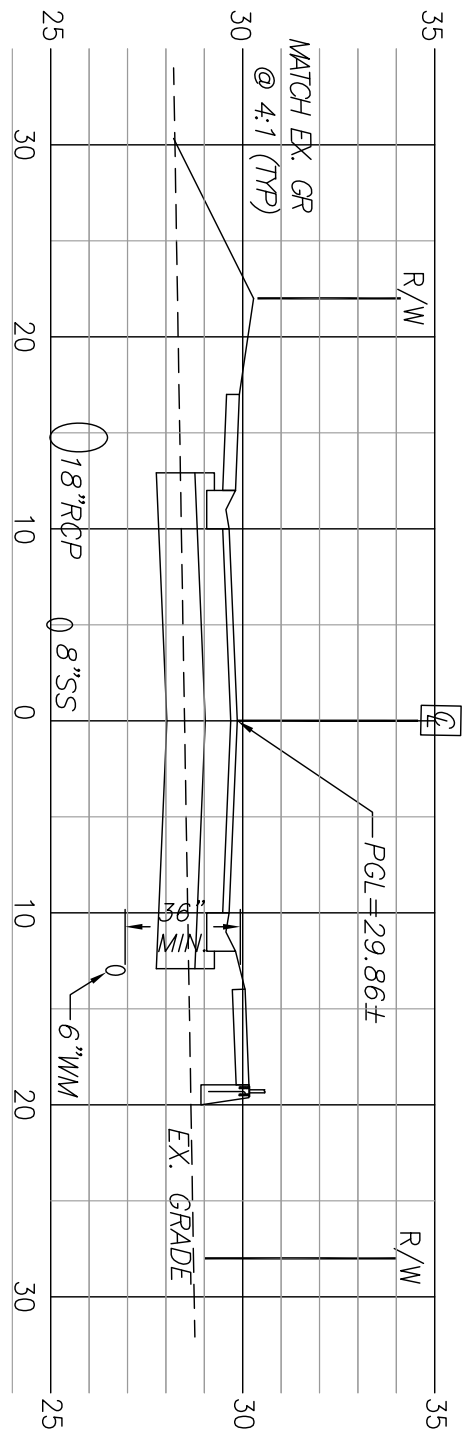
STA 6+00
SCALE: 1"=10'H, 1"=5'V



STA 6+50
SCALE: 1"=10'H, 1"=5'V



STA 7+00
SCALE: 1"=10'H, 1"=5'V



STA 7+50
SCALE: 1"=10'H, 1"=5'V

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REVISION	DATE
001 & 2 (MWD) (CH)	5/8/17
001 S&S SERIES (CH)	6/8/17
001 S&S SERIES (CH)	6/29/17
001 S&S SERIES (CH)	6/18/17
001 S&S SERIES (CH)	9/15/17
001 S&S SERIES (CH)	10/04/17

CROSS SECTIONS

**THE RESERVE AT
CURIOSITY CREEK**
9609 N BLVD & 9606 N OLA ST
TAMPA, FL 33612

OWNER:
ST. MAARTEENS ONE, LLC
11301 NORTH 53RD ST, TAMPA, FL 33617
TEL (813) 477-2872

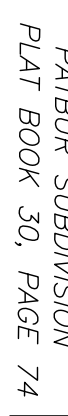
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Tel (813) 493-5510 * LAUBSTEIN@AOL.COM

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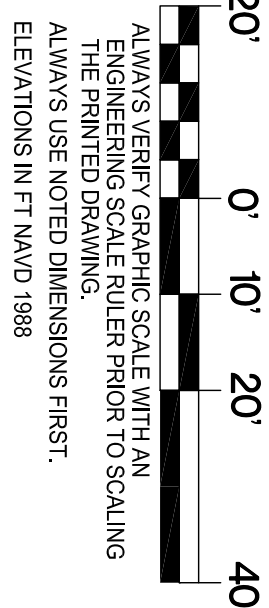
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LOT CHART

NO.	AREA, SF	WIDTH @ 25' SETBACK		SIDE	REAR
		FRONT	REAR		
1	8762	60.1'	25'	7'	20'
2	8843	60.1'	25'	7'	20'
3	8452	62'	25'	7'	20'
4	8238	60.6'	25'	7'	20'
5	8971	60'	25'	7'	20'
6	8983	60'	25'	7'	20'
7	8975	60'	25'	7'	20'
8	8867	60'	25'	7'	20'
9	7177	71.5'	25'	7'	20'
10	6961	105.40'	25'	7'	20'
11	6830	84'	25'	7'	20'
12	6813	77'	25'	7'	20'
13	6820	84'	25'	7'	20'
14	6615	84'	25'	7'	20'

NO.	WGT. SF	WIDTH	FRONT	SHOE	REAR
15	7311	90.1"	25"	Y	20"
16	7506	90.1"	25"	Y	20"
17	7481	65.4"	25"	Y	20"
18	7753	60"	25"	Y	20"
19	7744	60"	25"	Y	20"
20	7716	60"	25"	Y	20"
21	7688	60"	25"	Y	20"
22	6838	60.6"	25"	Y	20"
23	7078	62.2"	25"	Y	20"
24	7771	60.1"	25"	Y	20"
25	7850	60.1"	25"	Y	20"
THOT A	1515				
THOT B	1410				
THOT C	2415				
THOT D	949				
THOT E	1232				
THOT F	597				



HORIZONTAL CONTROL PLAN

1 INCH = 20 FT.

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CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO STARTING ANY WORK.

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COT & SWFMD (CH)	5/8/17
COT SAN SENIOR (CH)	6/8/17
GEN COT (CH)	6/29/17
GEN COT & SWFMD (CH)	8/8/17
COT TROAS & NR (CH)	9/15/17
COT STORDA & SWFMD (CH)	10/04/17

HORIZONTAL CONTROL PLAN

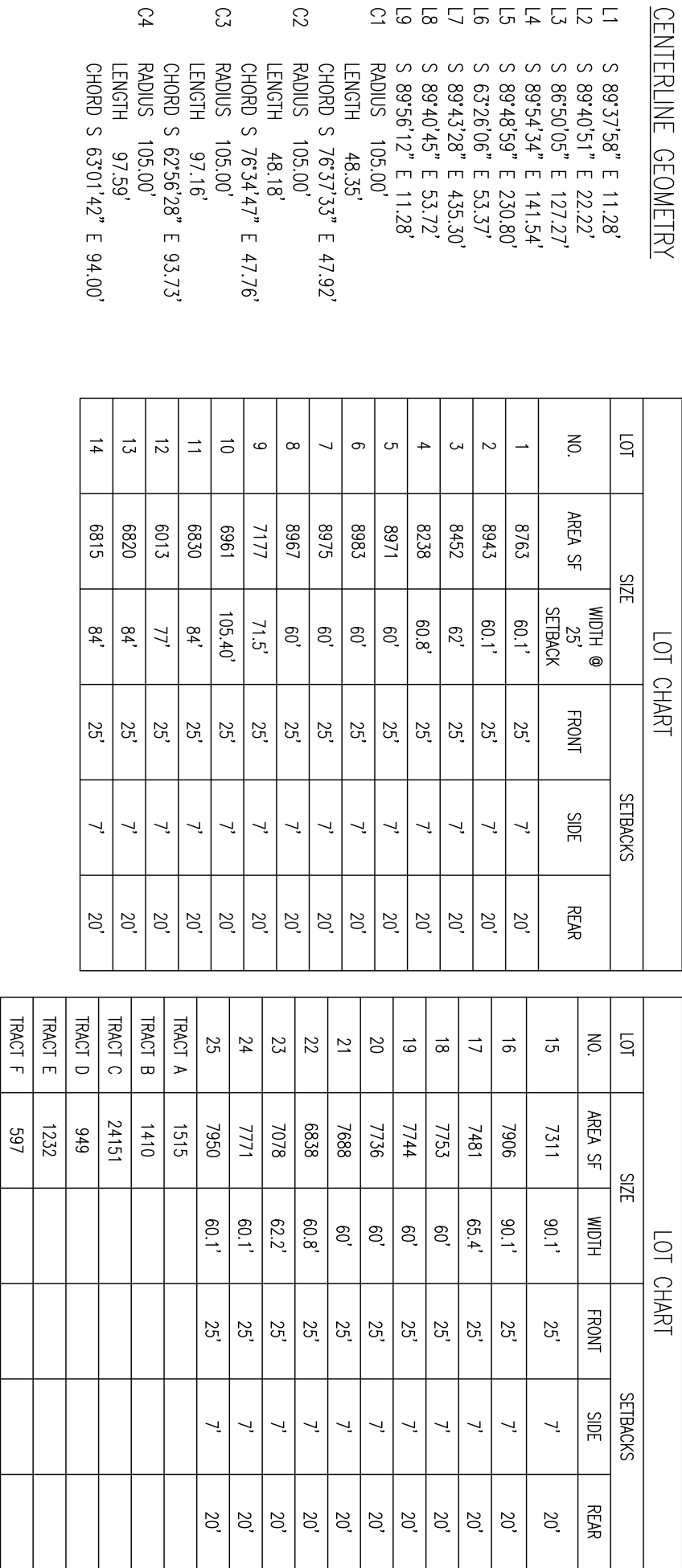
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REVISION	DATE
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COT SAN SEWER (CH ₄)	6/8/17
GEN COT (CH ₄)	6/29/17
GEN COT & SWFMD (CH ₄)	8/18/17
COT TRANS & NR (CH ₄)	9/15/17
COT STORM & SWFMD (CH ₄)	10/04/17

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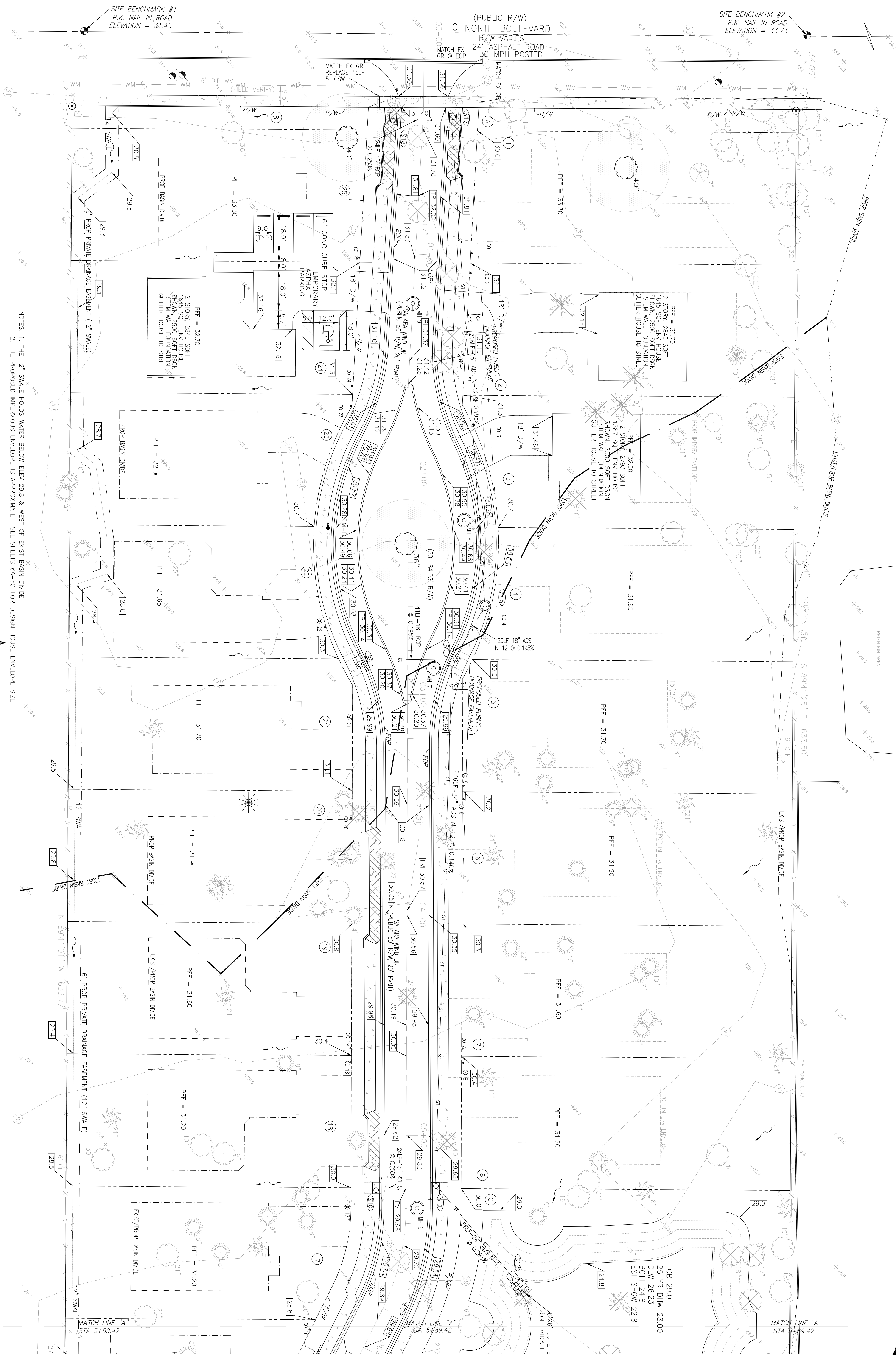
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GEN COT & SWFWD (CHL)	8/18/17
COT TRANS & NR (CHL)	9/15/17
COT STORM & SWFWD (CHL)	10/04/17

GRADING PLAN

**THE RESERVE AT
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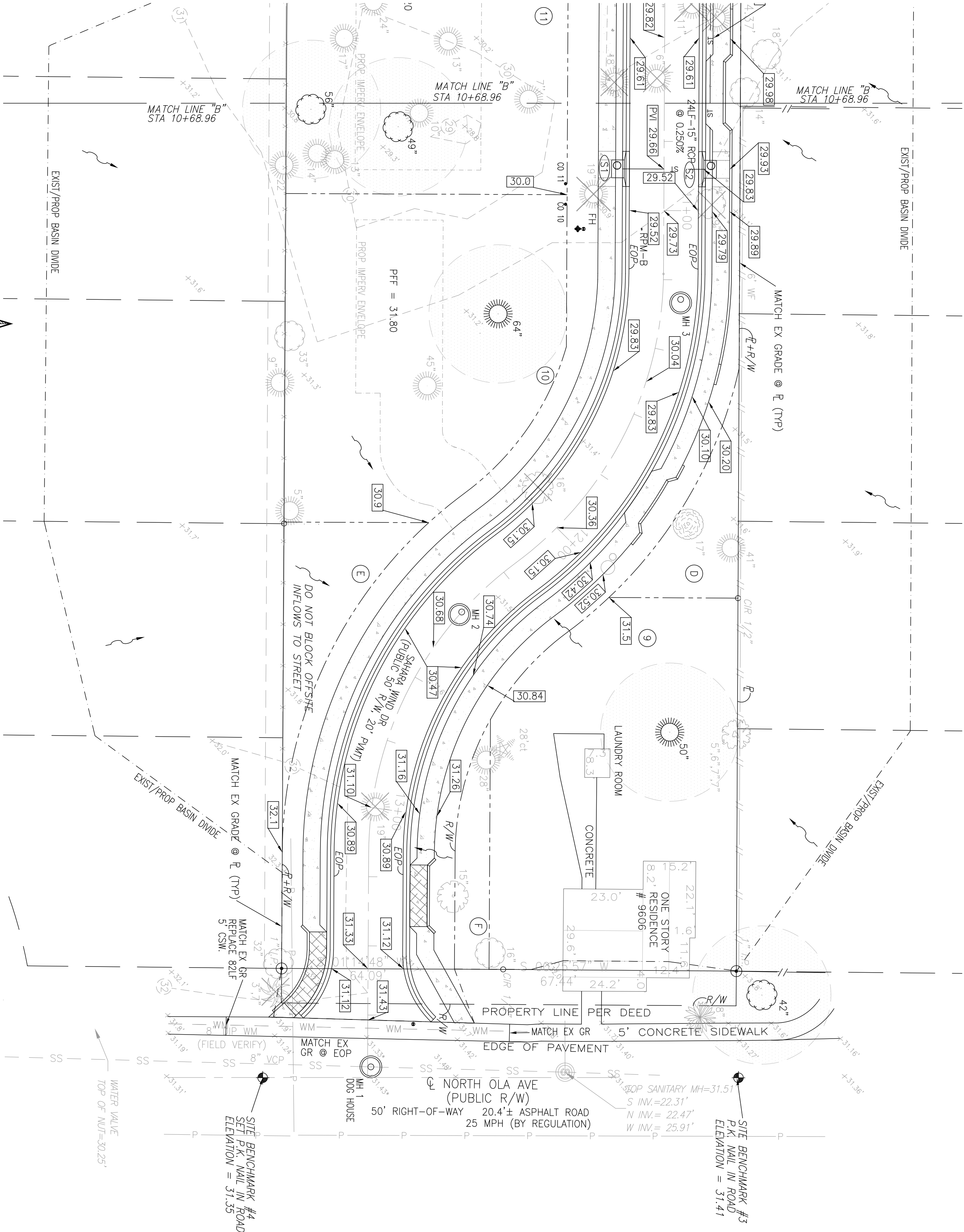
ON SITE SOILS NOTE:
PER THE NRCS WEB SOIL SURVEY, THE ONSITE SOIL IS (SS) TAYLORS URBAN LAND WITH AN ESTIMATED SEASONAL HIGH GROUNDWATER TABLE OF 3.5'-6' BELOW GRADE. UNITED SOIL CLASSIFICATION SP/SP-SM, ASHTO A-3 (GOOD FOR ROAD/PAD FILL). THIS IS A WELL DRAINED, HYDROLOGICAL GROUP A SOIL, WITH AN ESTIMATED PERMEABILITY OF >6"/HR.
THE 3/8/2016 TEST LAB GEOTECHNICAL REPORT DETERMINED THE ESTIMATED SEASONAL HIGH WATER TABLE TO BE 6 FEET BELOW GRADE AND THE AVERAGE DRI PERCOLATION RATE TO BE 18.87/HR.

DRAINAGE DESIGN NOTES:
1. THE GREEN AREA RUNOFF IS SOMETIMES "TRAPPED" IN LOCAL LOW SPOTS OUTSIDE THE POND. THIS LOW IMPACT DESIGN MINIMIZES EXISTING GRADE AND TREE DISTURBANCES BY TAKING ADVANTAGE OF THE EXISTING WELL DRAINED TAYLORS SOIL ONSITE.
2. ALL IMPERVIOUS AREA RUNOFF SHALL BE DRAINED TO THE PROPOSED POND.
3. THE DRAINAGE DESIGN ASSUMES A 24' ROADWAY INCLUDING CURBING AND 5' WIDE CONCRETE SIDEWALKS ON BOTH SIDES OF THE ROADWAY. FOR THE FULL LENGTH OF THE ROADWAY.
4. THE OFFSITE REAR YARD DRAINAGE BASIN INCUSIONS ARE ALL ASSUMED TO BE GREEN.
5. THE REAR 20 FEET OF ALL THE LOTS SHALL NOT BE REGRADED, EXCEPT AS SHOWN. OFFSITE RUNOFF MAY NOT BE BLOCKED BY FENCES, DEVICES OR STRUCTURES.

EXISTING TREE NOTE:
NUMEROUS EXISTING EXEMPT TREES & DEAD/DYING PROTECTED TREES ARE NOT SHOWN. PLEASE REFER TO THE ARBORIST'S TREE EVALUATION FOR MORE INFORMATION. PROPOSED TREE REMOVALS OUTSIDE LIMITS OF CONSTRUCTION, ARE SUGGESTIONS FOR THE FUTURE HOUSE LOT CONSTRUCTION.

GENERAL EROSION CONTROL NOTES:

- 1) CHECK ALL EROSION MEASURES WEEKLY & AFTER 1/2" RAINFALL. REPAIR ANY DAMAGE IMMEDIATELY.
- 2) IF IN THE ENGINEER'S OPINION, EXCESSIVE SITUATION OCCURS, ADDITIONAL MEASURES MAY BE REQUIRED.
- 3) ALL SILT SHALL BE PROPERLY DISPOSED OF IN AN FDEP APPROVED MANNER.
- 4) ALL DISTURBED SOILS SHALL BE SEEDED & MULCHED OR SOODED UNLESS OTHERWISE INDICATED ON THE PLANS. ALL SLOPES GREATER THAN 5:1 SHALL BE SOODED. ALL SLOPES GREATER THAN 2.5:1, THE SOO SHALL BE STAKED.
- 5) ALL DISTURBED SOILS SHALL BE SEEDED OR OTHERWISE STABILIZED WITHIN 15 DAYS OF CESSION OF LOCAL CONSTRUCTION ACTIVITIES.
- 6) INSTALL SILT FENCE PRIOR TO ALL OTHER CONSTRUCTION. MAINTAIN SILT FENCE UNTIL CONSTRUCTION IS COMPLETED & ALL DISTURBED SOILS ARE STABILIZED BY GRASS.
- 7) IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTABLE METHODS.
- 8) DIRECT RUNOFF AS INDICATED ON THE PLANS.
- 9) INSTALL ALL SPLASH PANS, RIP RAP AND ALL OTHER EROSION CONTROL DEVICES PROPERLY. SO NO EROSION OCCURS.
- 10) DOWNSPOUT LOCATIONS/NUMBER MAY BE FIELD ADJUSTED.
- 11) ALL ONSITE PIPING SHALL BE PROPERLY BEDDED PER THE MANUFACTURER'S SPECIFICATIONS FOR H-20 LOADING. INSTALL ALL PIPING PER FOOT INDEX 209/280.
- 12) DO NO REMOVE EXISTING VEGETATION EXCEPT AS REQUIRED BY THESE CONSTRUCTION PLANS.
- 13) DO NO DISTURB EXISTING GRADE EXCEPT AS REQUIRED BY THESE CONSTRUCTION PLANS.
- 14) PROTECT ALL NEW GRADE INLETS WITH MADDOLES (OAK) TO PREVENT ENTRANCE OF SILT TO THE STORMWATER SYSTEM.
- 15) SO LONG X 6" THICK TEMPORARY GRAVEL (FOOT #1) COARSE AGGREGATE) DRIVEWAYS REQUIRED AT N BLVD & N OLA.

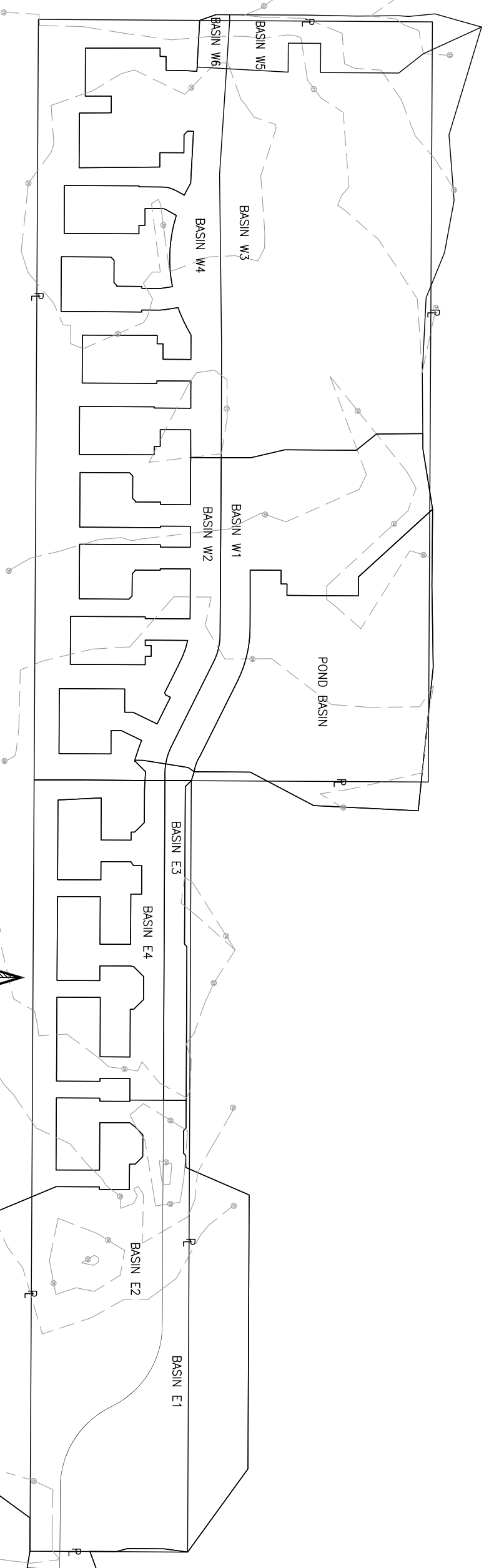
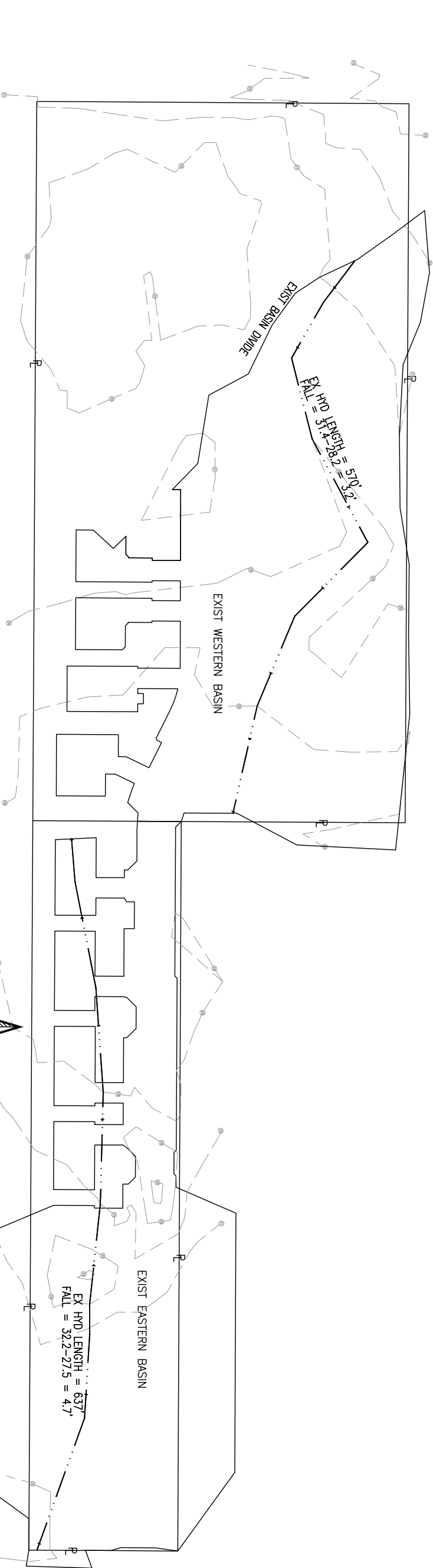


20' 0' 10' 20' 40'
1 INCH = 20 FT.

GRADING PLAN

20' 0' 10' 20' 40'
1 INCH = 100 FT

EXISTING SUB-BASIN PLAN



PROPOSED SUB-BASIN PLAN

1 INCH = 100 FT

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001 S&M SERIES (O&A)	6/8/17
001 COR (O&A)	6/29/17
001 COR & SWMD (O&A)	6/19/17
001 TRANS & IMP (O&A)	9/19/17
001 STORM & SWMD (O&A)	10/04/17

GRADING PLAN

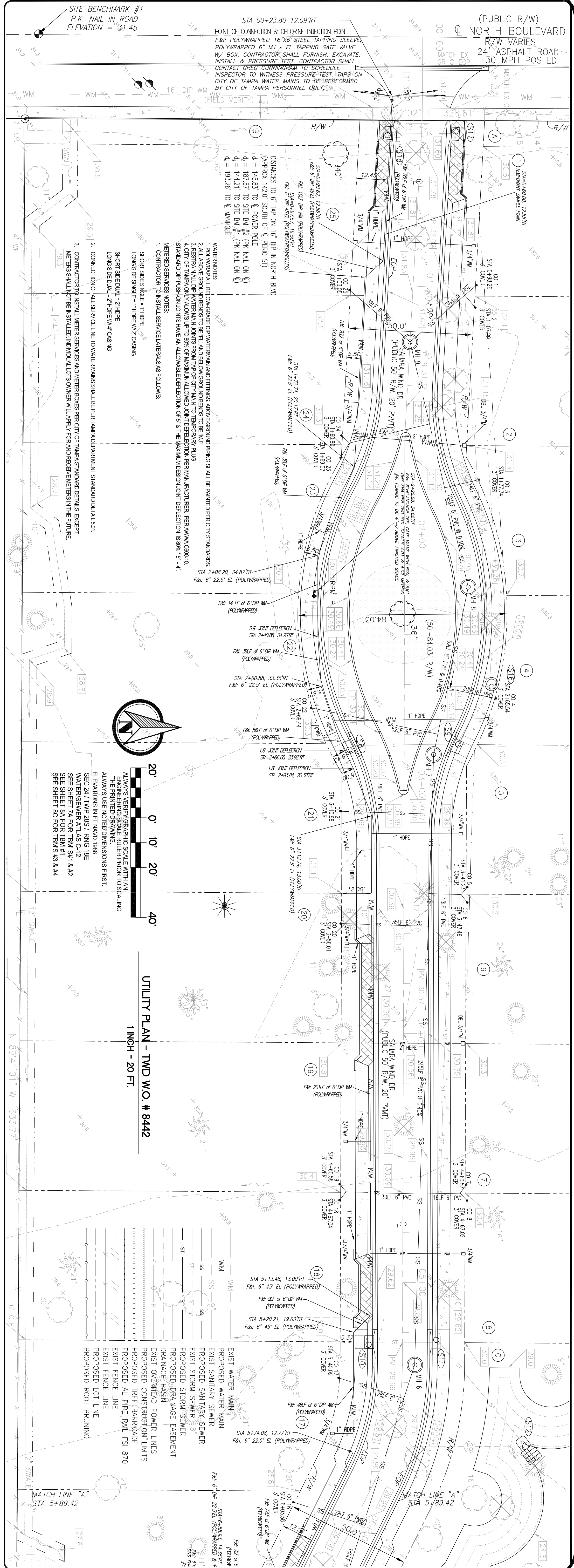
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GEN COT & SWFWD (CHL)	8/18/17
COT TRANS & NR (CHL)	9/15/17
COT STORM & SWFWD (CHL)	10/04/17

UTILITY PLAN AND PROFILE TWD W.O. # 8442

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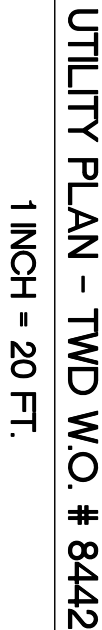
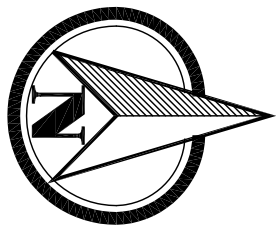
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ENGINEERING SCALE RULER PRIOR TO SCALING
THE PRINTED DRAWING.

ALWAYS USE NOTED DIMENSIONS FIRST.
ELEVATIONS IN FT MAJD 1988
SEC 24 / TWP 28S / R1NG 18E
WATERSEWER ATLAS C-12
SEE SHEET 7A FOR TBM# 1 & #2
SEE SHEET 8A FOR TWP #1
SEE SHEET 8C FOR TBM# #2 & #4

2. CONNECTION OF ALL SERVICE LINE TO WATER MAINS SHALL BE PER TAMPA DEPARTMENT STANDARD DETAIL 5.01.
3. CONTRACTOR TO INSTALL METER SERVICES AND METER BOXES PER CITY OF TAMPA STANDARD DETAILS. EXCEPT METERS SHALL NOT BE INSTALLED. INDIVIDUAL LOTS OWNER WILL APPLY FOR AND RECEIVE METERS IN THE FUTURE.



QTY	DESCRIPTION	WATER PIPING & APPLIANCES
1	8" X 16" STEEL TAPPING SLEEVE	
6	TAPPING GATE VALVE & BOX	
6	GATE VALVE & BOX	
3	4" X 6" METERS	
2	COOPERATION METER BOXES	
20	COOPERATION STOPS	
2	DOUBLE 3/4" METER BOXES	
2	COOPERATION STOPS	
1	FIRE HYDRANT ASSEMBLY - TYP	
2	FIRE HYDRANT ASSEMBLY - TYP	
1	6" X 5" ELBOWS	
7	6" X 22.5" ELBOWS	
14	6" X 6" DIP	
1356	UF 2" HOPE	
93	UF 2" HOPE	
263	1" HOPE	
2	TEMP SAMPLE POINT ASSEMBLY	

EXISTING WELL NOTE:
THE EXISTING POTABLE WELL SHALL BE RE-TASKED AS AN IRRIGATION WELL FOR HOA LANDSCAPED PARCELS.
WELL MODIFICATIONS BY OTHERS.

BEFORE YOU DIG CALL 811
SUNSHINE STATE ONE CALL
48 HOURS PRIOR TO ANY EXCAVATION
WWW.CALLSUNSHINE.COM

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THIS DRAWING AND DESIGN IS VALID FOR 12 MONTHS AFTER THE DATE IT IS SIGNED AND SEALED

REVISION	DATE
COT & SWFMD (CHL)	5/8/17
COT SAN SINGER (CHL)	6/8/17
GEN COT (CHL)	6/29/17
GEN COT & SWFMD (CHL)	8/18/17
COT TRANS & NR (CHL)	9/15/17
COT STORM & SWFMD (CHL)	10/04/17

UTILITY PLAN AND PROFILE TWD W.O. # 8442

**THE RESERVE AT
CURIOSITY CREEK**
9609 N BLVD & 9606 N OLA ST
TAMPA, FL 33612

OWNER:
ST. MAARTEENS ONE, LLC
11301 NORTH 53RD ST, TAMPA, FL 33617
TEL (813) 477-2872

CLIFFORD H LAUBSTEIN PE
10827 ALAFIA ST * GIBSONTON, FL * 33534-4915
Tel (813) 493-5510 * LAUBSTEIN@AOL.COM

DATE: 10/4/17

FILE: 16-014-3G

SHEET:

