

**STATE PLANE COORDINATES CONTROL POINTS USED:**

ESC 4051	ESC 4052
N 585124.81	N 589302.55
E 1071871.78	E 1072039.03
Z 132.25	Z 151.84

**SURVEYOR'S NOTES:**

1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THE SURVEYOR DOES NOT CERTIFY THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES OR THAT THEY ARE THE EXACT SIZE, MATERIAL, OR LOCATION AS INDICATED.
2. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
3. THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
4. THIS SURVEY IS SUBJECT TO SETBACKS, EASEMENTS, AND RESTRICTIONS OF RECORD.
5. TO ASSURE THE CONTRACTOR IS ON THE SAME VERTICAL AND HORIZONTAL DATUM AS THIS SURVEY, IT IS STRONGLY RECOMMENDED THAT VERTICAL CHECKS BE MADE BETWEEN TWO BENCHMARKS AND THAT HORIZONTAL CHECKS BE MADE BETWEEN THREE CONTROL POINTS OR PROPERTY CORNERS.
6. FOOTINGS AND FOUNDATIONS BELOW NATURAL GROUND NOT LOCATED.
7. DUE TO CURRENT SAFETY REGULATIONS, WE ARE UNABLE TO ACCESS ANY SEWER MANHOLES AND/OR STRUCTURES IN ORDER TO VERIFY PIPE SIZE OR MATERIAL. PIPE SIZE AND MATERIAL HAS BEEN SHOWN AS PER PLANS OR BY APPROXIMATE MEASUREMENTS. IT IS STRONGLY RECOMMENDED THAT SIZE AND MATERIAL ARE VERIFIED BEFORE ANY DESIGN WORK BEGINS.
8. COORDINATES SHOWN ARE STATE PLANE COORDINATES REFERENCED TO N.A.D. 83 DATUM, 2011 ADJUSTMENT, FLORIDA NORTH ZONE AND EXPRESSED IN U.S. SURVEY FEET.

**UTILITY COMPANIES:**

UTILITY INFORMATION SHOWN AS PER FIELD INFORMATION AND INFORMATION FURNISHED BY UTILITY COMPANIES INVOLVED.  
 TELEPHONE - AT & T, INC., 605 WEST GARDEN STREET, PENSACOLA, FLORIDA 32501; (850) 436-1616  
 ELECTRIC - GULF POWER COMPANY, 9220 PINE FOREST ROAD, PENSACOLA, FLORIDA 32534; (850) 484-5770  
 SANITARY SEWER/WATER - EMERALD COAST UTILITY AUTHORITY, ELLYSON INDUSTRIAL PARK, PENSACOLA, FLORIDA; (850) 476-5110  
 NATURAL GAS - PENSACOLA ENERGY, 16 SOUTH PALAFOX STREET, PENSACOLA, FLORIDA; (850) 474-5322

**BENCHMARKS:**

- ESC 4051 - ESCAMBIA COUNTY DISK IN A VALVE COVER LOCATED 16'+/- EAST OF THE CENTERLINE OF COUNTY ROAD #97 AND 131'+/- SOUTH OF THE CENTERLINE OF COUNTY ROAD #186 (WEST KINGSFIELD ROAD).  
 ELEVATION = 132.25'
- 1562/18A - AN "X" IN THE NORTHEAST BONNET BOLT OF A FLUSHING HYDRANT LOCATED ON THE NORTH RIGHT OF WAY OF WEST KINGSFIELD ROAD AT THE SOUTHWEST ENTRANCE ROAD TO RANSOM MIDDLE SCHOOL.  
 ELEVATION = 123.72'
- 1562/18B - AN "X" IN THE NORTHWEST BONNET BOLT OF A FIRE HYDRANT LOCATED ON THE NORTH RIGHT OF WAY OF WEST KINGSFIELD ROAD AT THE EAST ENTRANCE ROAD TO RANSOM MIDDLE SCHOOL.  
 ELEVATION = 137.59'
- 1562/18C - A COTTON GIN SPIKE IN THE NORTH SIDE OF A POWER POLE LOCATED IN THE NORTH RIGHT OF WAY OF WEST KINGSFIELD ROAD AND 175'+/- WEST OF THE CENTERLINE OF QUARRY ROAD.  
 ELEVATION = 137.04'
- 1562/18D - A COTTON GIN SPIKE IN THE NORTH SIDE OF A POWER POLE LOCATED IN THE NORTH RIGHT OF WAY OF WEST KINGSFIELD ROAD AND 190'+/- WEST OF THE CENTERLINE OF BRIGHTLEAF CIRCLE.  
 ELEVATION = 138.61'
- 1562/42A - AN "X" IN THE WEST SIDE OF A CONCRETE HEADWALL LOCATED ON THE NORTH RIGHT OF WAY OF WEST KINGSFIELD ROAD AND 300'+/- EAST OF THE CENTERLINE OF THE EAST ENTRANCE TO RANSOM MIDDLE SCHOOL.  
 ELEVATION = 138.15'
- 1562/42B - A COTTON GIN SPIKE IN THE EAST SIDE OF A POWER POLE LOCATED 915'+/- NORTH OF THE CENTERLINE OF WEST KINGSFIELD ROAD AND NEAR THE CHAIN LINK FENCE DIVING RANSOM MIDDLE SCHOOL FROM UNDEVELOPED PROPERTY TO THE EAST.  
 ELEVATION = 141.12'
- 1562/42C - A COTTON GIN SPIKE IN THE WEST SIDE OF A 16" POPCORN TREE LOCATED 1295'+/- NORTH OF THE CENTERLINE OF WEST KINGSFIELD ROAD AND NEAR THE CHAIN LINK FENCE DIVING RANSOM MIDDLE SCHOOL FROM UNDEVELOPED PROPERTY TO THE EAST.  
 ELEVATION = 143.34'

**STORMWATER NOTES:**

1. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
2. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
3. ALL NEW STORMWATER RUNOFF IS TO BE DIRECTED TO THE NEW STORMWATER COLLECTION SYSTEM.
4. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
5. TRENCHING AND GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE.
6. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT AND STABILIZE RETENTION/DETENTION PONDS AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
7. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPOGRAPHY OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
8. A COPY OF THE NWFWD ERP PERMIT WILL BE KEPT ON SITE AT ALL TIMES.
9. THE CONTRACTOR IS REQUIRED TO REVIEW THE COMPLETE NWFWD PERMIT PRIOR TO CONSTRUCTION COMMENCEMENT.
10. THE ENGINEER OF RECORD, NICHOLAS R. KING, SHALL BE RESPONSIBLE FOR MONITORING CONSTRUCTION, ENSURING THAT THE NOTICE OF COMMENCEMENT IS FILED WITH THE NWFWD AND THAT THE AS-BUILT CERTIFICATION IS PROVIDED WHEN THE PROJECT IS COMPLETED.
11. ALL NEW BUILDING ROOF DRAINS, DOWNSPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.

**SITE DATA:**

PROPERTY REFERENCE NO: 23-IN-31-2001-000-000  
 PROPERTY ADDRESS: 900 W. KINGSFIELD ROAD  
 ZONING: P  
 FLU: MU-S  
 PROPOSED USE: SCHOOL  
 PROJECT AREA DISTURBED: 25.33 ACRES  
 POND BASIN AREA: 23.45 ACRES  
 EXISTING IMPERVIOUS AREA: 0 ACRES  
 PROPOSED IMPERVIOUS AREA: 7.92 ACRES  
 PROPOSED PERVIOUS AREA: 15.53 ACRES

**GENERAL NOTES:**

1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO ESCAMBIA COUNTY STANDARDS.
2. CONTRACTOR SHALL NOTIFY THE OWNER FORTY-EIGHT HOURS PRIOR TO BEGINNING CONSTRUCTION.
3. ALL LANDSCAPING SHALL COMPLY WITH ARTICLE 7 OF THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE.
4. ALL WORK WITHIN THE RIGHT-OF-WAYS SHALL CONFORM TO ESCAMBIA COUNTY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND F.D.O.T. STANDARD DETAILS AND SPECIFICATIONS (LATEST EDITION).
5. CONTRACTOR SHALL FILE A "NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES." CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THIS PERMIT THROUGHOUT THE COURSE OF CONSTRUCTION.
6. THE OWNER WILL BE RESPONSIBLE FOR SUBMITTING THE NOTICE OF COMMENCEMENT AND FOR MONITORING CONSTRUCTION. THE ENGINEER OF RECORD WILL BE RESPONSIBLE FOR SUBMITTING THE AS-BUILT CERTIFICATION.
7. THE GENERAL CONTRACTOR IS TO MAINTAIN (CUT AND WATER) THE VEGETATION INSIDE THE CONSTRUCTION FENCE DURING ENTIRE CONSTRUCTION.
8. TEMPORARY SECURITY FENCE AND ALL REMNANTS THEREOF SHALL BE REMOVED WHEN PROJECT IS COMPLETE.
9. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER OF RECORD WILL ASSIST CONTRACTOR WITH ANY REQUIRED PERMITS. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BE BEGUN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES.
10. ROLL GRADE BEFORE AND ROLL SOD AFTER PLACEMENT TO ENSURE SMOOTH FINAL GRADE. NO RUTTING WILL BE ACCEPTABLE AT PROJECT CLOSE-OUT.
11. CONTRACTOR SHALL VIEW SITE SPECIFIC GEOTECHNICAL REPORT PRIOR TO BIDDING FOR ADDITIONAL REQUIREMENTS / INFORMATION ON SITE PREPARATION, FILL, EARTHWORK QUALITY CONTROL, BUILDING FOUNDATION, AND STORMWATER POND.
12. CONTRACTOR SHALL HAUL AWAY ALL EXCESS MATERIAL AND DEBRIS AND DISPOSE OF OFFSITE IN A LEGAL MANNER.
13. FOR STAGING, EQUIPMENT STORAGE, EMPLOYEE PARKING, AND SITE ACCESS, COORDINATE WITH OWNER.
14. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, DRAINS, WATER OR GAS PIPES, ELECTRICAL, CONDUITS, POLES, WALLS, POST, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED UNLESS NOTED.
15. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
16. ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE SODDED W/ TIFWAY 419 BERMUDA. ALL PLASTIC BACKING SHALL BE REMOVED FROM SOD PRIOR TO INSTALLATION.
17. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT 850-595-3472. AS BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
18. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY.
19. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL IN ACCORDANCE WITH FDOT STANDARD INDEX 600 (LATEST EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS.
20. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING IN ORDER TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND THE EXTENT OF CLEARING AND GRUBBING REQUIRED.
21. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
22. CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAY.
23. ALL DEBRIS RESULTING FROM PROPOSED DEMOLITION WILL BE DISPOSED OF IN A LEGAL MANNER AND WILL CONFORM TO ANY AND ALL STATE AND LOCAL REGULATIONS AND/OR ORDINANCES WHICH GOVERN SUCH ACTIVITIES.
24. NO DEMOLITION DEBRIS WILL BE STOCKPILED OR GATHERED ON THE PROJECT SITE WITHOUT PRIOR AUTHORIZATION OF THE OWNER.
25. ALL PAVEMENT MARKINGS AND STRIPING SHALL BE THERMOPLASTIC AND INSTALLED ACCORDING TO FDOT STANDARD INDEX, LATEST EDITION.
26. ALL SIGNS SHALL BE INSTALLED PER FDOT STANDARD INDEX 11865, LATEST EDITION, WIND ZONE NO. 1.
27. PRIOR TO CONSTRUCTION A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT(S) SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET.
28. OWNER/CONTRACTOR SHALL OBTAIN A SIGN PERMIT THROUGH ESCAMBIA COUNTY PRIOR TO ERECTING OR CONSTRUCTING ANY SITE BUILDING SIGNS. ADDITIONAL RESTRICTIONS MAY APPLY.

**UTILITY NOTES:**

1. CONTRACTOR SHALL LOCATE, SUPPORT & PROTECT EXISTING UTILITIES TO REMAIN, AS REQUIRED. ALL KNOWN UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. CONTRACTOR SHALL UTILIZE GROUND PENETRATING RADAR OR EQUIVALENT TO LOCATE ALL EXISTING UTILITIES WITHIN ALL AREAS OF CONSTRUCTION. CONTRACTOR SHALL CONFIRM HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES TO BE RELOCATED AND/OR IN DIRECT CONFLICT WITH CONSTRUCTION ACTIVITIES. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES WITH VARIOUS UTILITY COMPANIES PRIOR TO CONSTRUCTION.
2. IF EXISTING UTILITY LINES ABOVE OR BELOW GROUND ARE DISTURBED DUE TO CONSTRUCTION ACTIVITY THEY WILL BE RELOCATED AS PER UTILITY OWNER AND OWNER REQUIREMENTS.
3. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN RIGHT-OF-WAY; 1-800-432-4770.
4. LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTHS BEFORE BEGINNING CONSTRUCTION. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PRESERVING AND PROTECTING SAID UTILITIES OR STRUCTURES.

**EROSION CONTROL NOTES:**

1. HAY BALES OR SILT FENCE SHALL BE PLACED AS REQUIRED. POSTS FOR SILT FENCE SHALL BE AT A DEPTH TO RESIST OVERTURNING, THE BOTTOM EDGE OF THE FABRIC SHALL BE BELOW GRADE AND COVERED WITH SOIL. SUPPLEMENT WITH HAY BALES AS REQUIRED TO PREVENT THE PASSAGE OF SOIL MATERIALS. HAY BALES ARE TO BE PROPERLY PLACED AND STAKED. (SEE TYPICAL DETAILS)
2. ISOLATED AREAS OF CONSTRUCTION MAY NEED TO BE ADDRESSED BY THE CONTRACTOR AS FIELD CONDITIONS DICTATE.
3. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS ARE TO BE STABILIZED WITH SOD.
4. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT EROSION CONTROL MEASURES USED ARE MAINTAINED AND FULLY FUNCTIONAL DURING RAINFALL EVENTS.
5. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
6. CONTRACTOR SHALL INSPECT AND REESTABLISH EROSION CONTROL BARRIERS WEEKLY AND AFTER EVERY SIGNIFICANT STORM EVENT.

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE A, (AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT-ANNUAL-CHANCE FLOOD EVENT. BECAUSE DETAILED HYDRAULIC ANALYSIS HAVE NOT BEEN PREFORMED, NO BASE FLOOD ELEVATIONS (BFE'S) OR FLOOR DEPTHS ARE SHOWN), AND FLOOD ZONE X, AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOR INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBER 12033C0280, MAP REVISION DATED SEPTEMBER 29, 2006.

**EXISTING LEGEND:**

R/W	RIGHT OF WAY
BM	BENCHMARK
ELEV	ELEVATION
INV	INVERT
FFE	FINISHED FLOOR ELEVATION
CP	CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
1/2"	1/2" CAPPED IRON SET #7073
1/2"	1/2" CAPPED IRON ROD FOUND #4400
4"x4"	4"x4" CONCRETE MONUMENT FOUND #4400
⊙	FIRE HYDRANT
⊙	SANITARY MANHOLE
⊙	STORM MANHOLE
⊙	STORM GRATE
⊙	WATER VALVE
⊙	WATER METER
⊙	GAS METER
⊙	ELECTRIC EQUIPMENT
⊙	MONITOR WELL
⊙	SPRINKLER CONTROL VALVE
⊙	BACKFLOW PREVENTOR
⊙	LIGHT POLE
⊙	LIGHT POLE WITH BASE
⊙	POWER POLE
⊙	METER POLE
⊙	MAILBOX
⊙	REFLECTOR
⊙	WOOD POST
⊙	HANDHOLE
⊙	ROAD SIGN
⊙	GUARD POST
⊙	BURIED TELEPHONE MARKER
⊙	PVC PIPE
⊙	NAIL AND FLAG SET
⊙	SPOT ELEVATION
⊙	CONTOUR LINE
⊙	CHAIN LINK FENCE
⊙	WOOD FENCE
⊙	WIRE FENCE
⊙	TELEPHONE LINE
⊙	ELECTRIC LINE
⊙	CABLE LINE
⊙	GAS LINE
⊙	WATER LINE
⊙	STORM SEWER LINE
⊙	SANITARY SEWER LINE
⊙	OAK TREE
⊙	MAGNOLIA TREE
⊙	BLACKCHERRY TREE
⊙	MISCELLANEOUS TREE
⊙	ASPHALT
⊙	CONCRETE
⊙	ITEM TO BE REMOVED

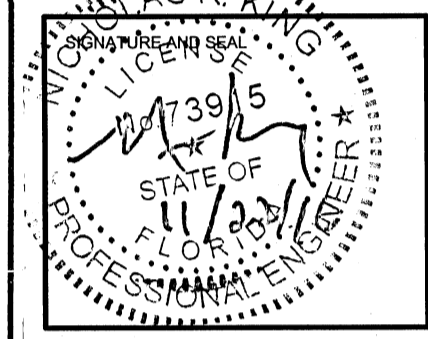
**NEW LEGEND:**

TC	TOP CONCRETE
TP	TOP PAVING
FG	FINISH GRADE
EP	EXISTING PAVING
ME	MATCH EXISTING
CO	CLEAN OUT
⊙	MITERED END SECTION
⊙	CONCRETE HEADWALL
⊙	STORM INLET
⊙	STORM MANHOLE
⊙	WATER VALVE
⊙	STORM LINE
⊙	SANITARY SEWER LINE
⊙	WATER LINE
⊙	SANITARY SEWER MH
⊙	BUILDING
⊙	ASPHALT
⊙	CONCRETE
⊙	SOLID SOD
⊙	EROSION CONTROL
⊙	CONSTRUCTION FENCE
⊙	6' CHAIN LINK FENCE
⊙	4' CHAIN LINK FENCE
⊙	6' DECORATIVE FENCE

**Approved**  
**ESCAMBIA COUNTY DRC PLAN REVIEW**  
 Date: 11/23/16  
 DRC Chairman Signature: [Signature]  
 Development Services Director Signature: [Signature]  
 This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order must be obtained from the Development Review Committee (DRC) prior to the commencement of construction. This approval by the DRC does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a final plat or the issuance of a final plat on the issuance of a building permit.

**BITA**  
 ...optimizing design value  
 PLANNING ARCHITECTURE INTERIOR DESIGN DESIGN BUILD  
 Bullock Tice Associates  
 909 East Cervantes Suite B  
 Pensacola, FL 32501  
 AAC000174  
 www.bullocktice.com  
 Fax: 850.432.5208  
 Phone: 850.434.5444

**FAST TRACK CIVIL FOR CONSTRUCTION SET**  
 12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**  
 900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32633

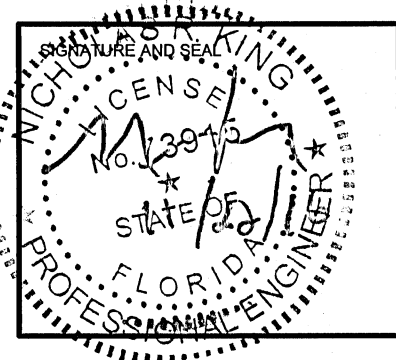
REVISIONS:


BITA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
**GENERAL NOTES & LEGEND**

SHEET:  
**C-001**

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH&A.COM FAX (850) 471-0093

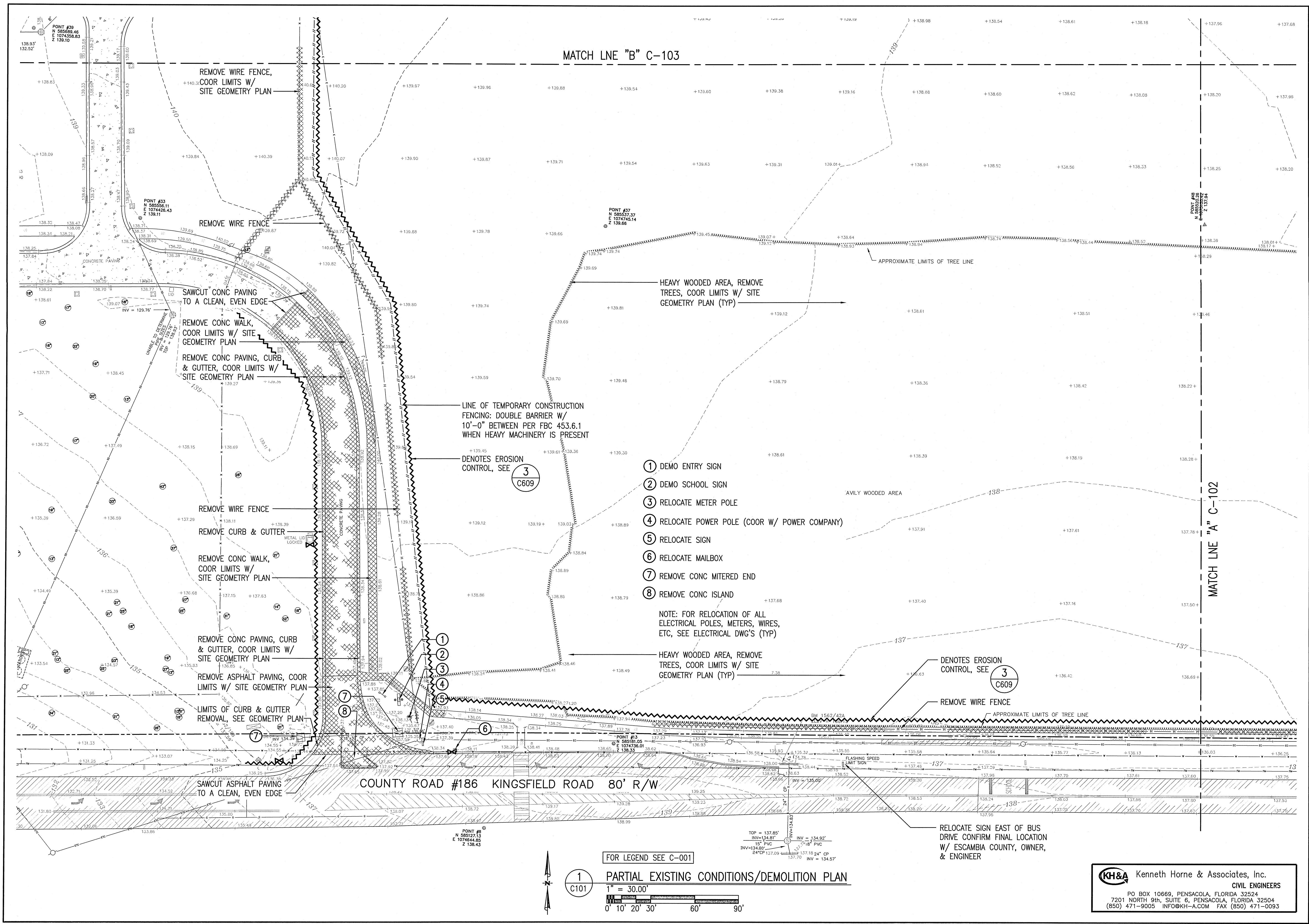


REVISIONS:


BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

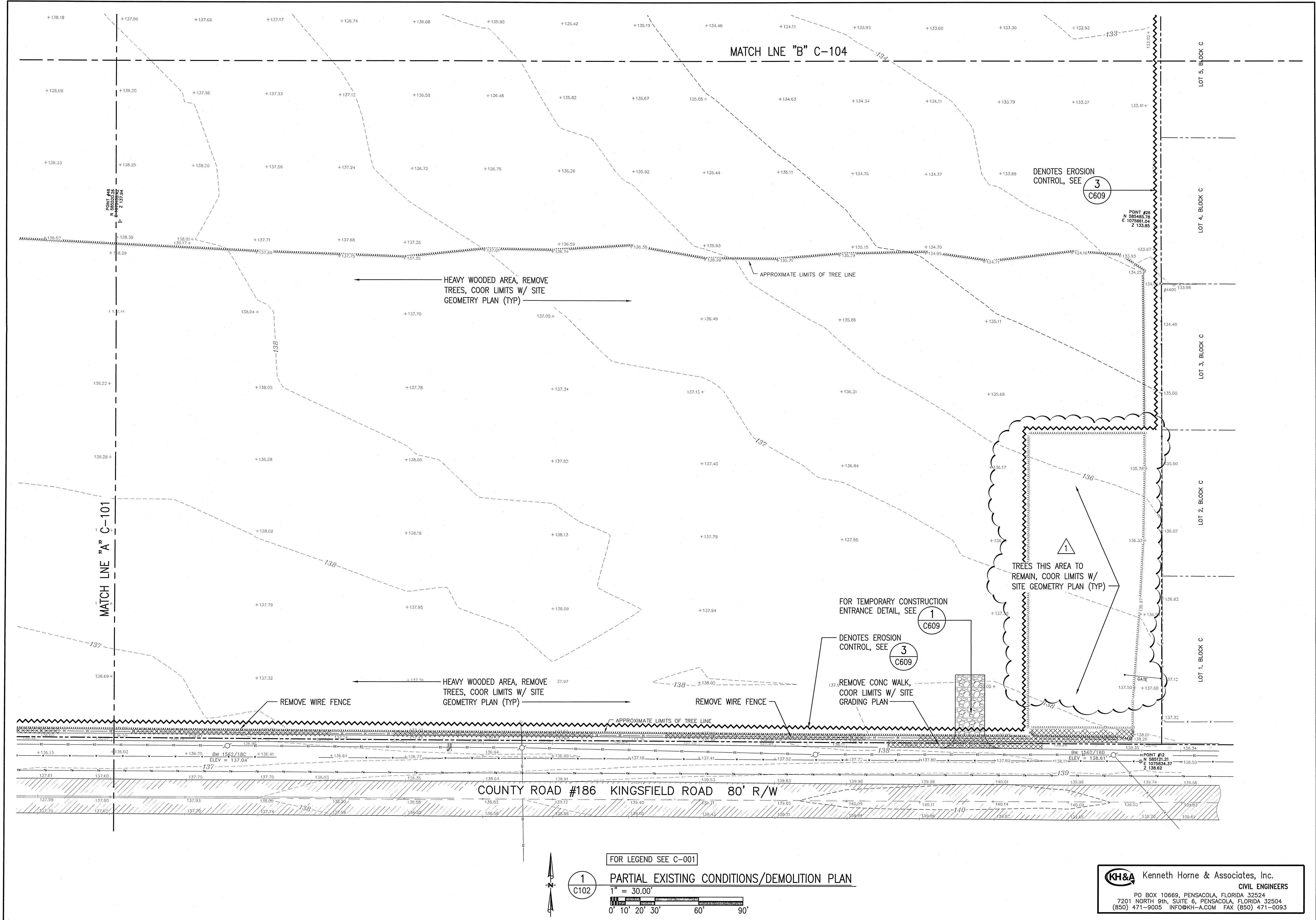
SHEET TITLE:  
**PARTIAL EXISTING  
 CONDITIONS /  
 DEMOLITION PLAN**

SHEET:  
**C-101**



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 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
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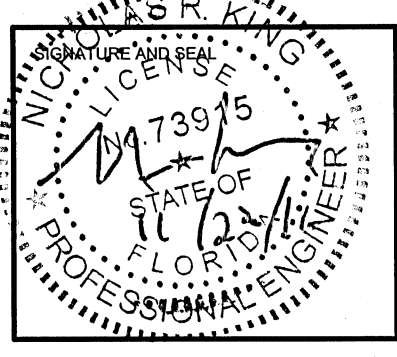
FOR LEGEND SEE C-001  
**1**  
**C101**  
**PARTIAL EXISTING CONDITIONS/DEMOLITION PLAN**  
 1" = 30.00'  
 0' 10' 20' 30' 60' 90'



**BITA**  
...optimizing design value  
PLANNING ARCHITECTURE INTERIOR DESIGN DESIGN BUILD

Bullock Tice Associates  
909 East Cervantes Suite B  
Pensacola, FL 32501  
AAC000174  
www.builtice.com  
Fax: 850.432.5208  
Phone: 850.434.5444

FAST TRACK CIVIL FOR CONSTRUCTION SET  
12 SEPT 2016



KINGSFIELD ELEMENTARY SCHOOL - P3

900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:	
1	10/21/2016

BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
PARTIAL EXISTING CONDITIONS / DEMOLITION PLAN

SHEET:  
C-102

FOR LEGEND SEE C-001

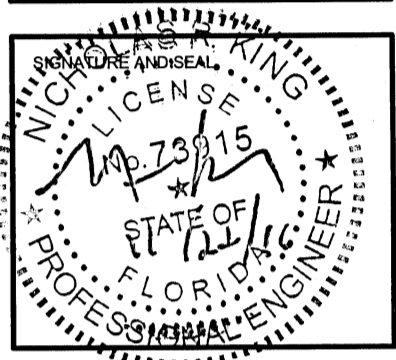
1  
C102

PARTIAL EXISTING CONDITIONS/DEMOLITION PLAN

1" = 30.00'

0' 10' 20' 30' 60' 90'

**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
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7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
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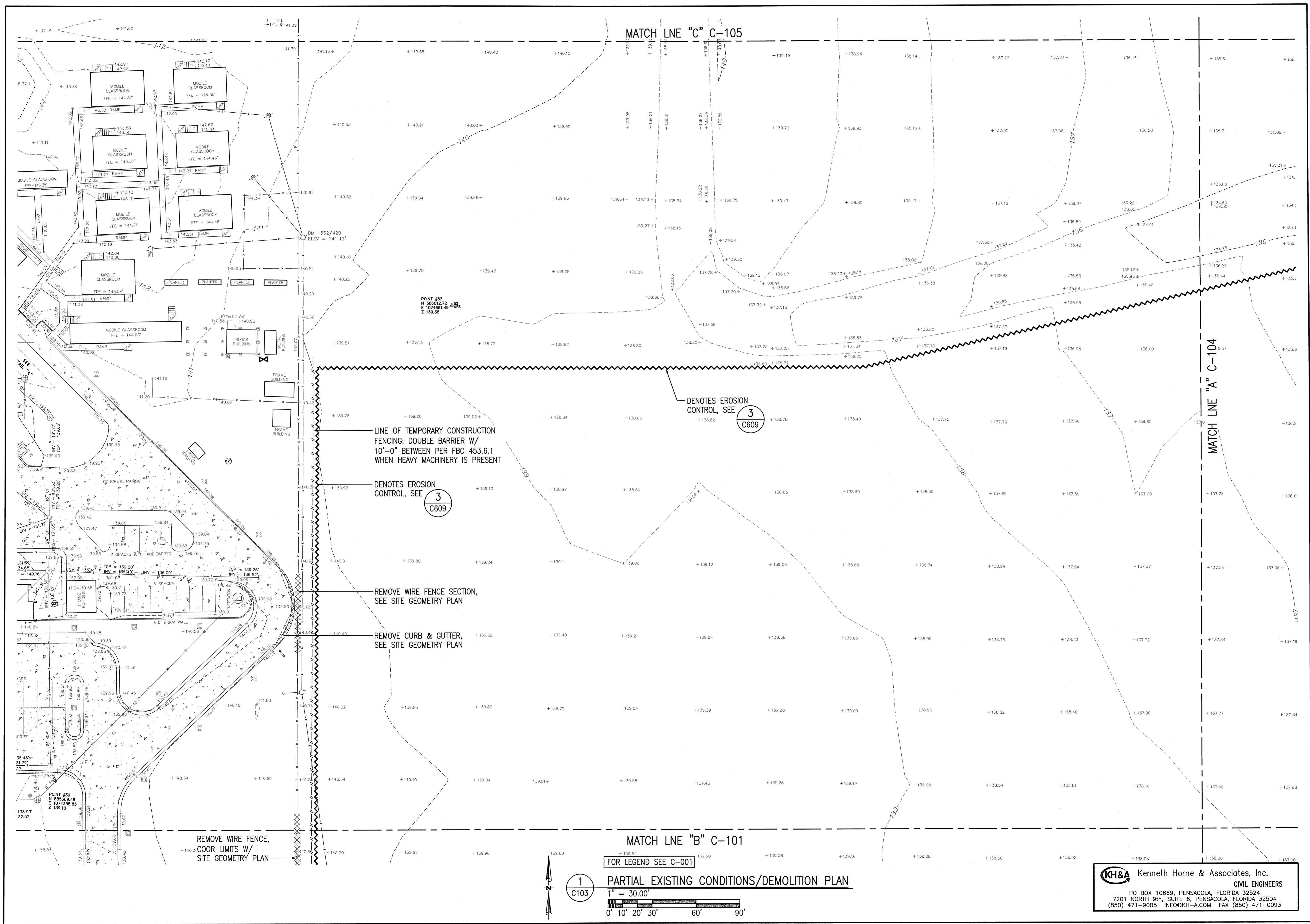
REVISIONS:

NO.	DATE	DESCRIPTION

BTA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL EXISTING  
CONDITIONS /  
DEMOLITION PLAN**

SHEET:  
**C-103**



MATCH LINE "C" C-105

MATCH LINE "A" C-104

MATCH LINE "B" C-101

LINE OF TEMPORARY CONSTRUCTION FENCING: DOUBLE BARRIER W/ 10'-0" BETWEEN PER FBC 453.6.1 WHEN HEAVY MACHINERY IS PRESENT

DENOTES EROSION CONTROL, SEE 3 C609

DENOTES EROSION CONTROL, SEE 3 C609

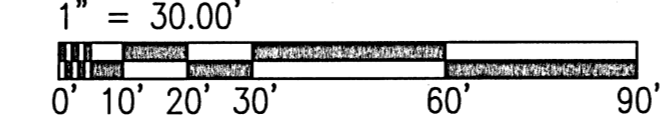
REMOVE WIRE FENCE SECTION, SEE SITE GEOMETRY PLAN

REMOVE CURB & GUTTER, SEE SITE GEOMETRY PLAN

REMOVE WIRE FENCE, COOR LIMITS W/ SITE GEOMETRY PLAN

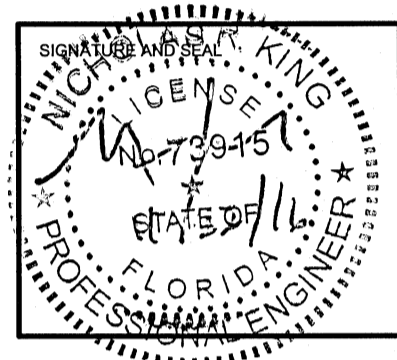
FOR LEGEND SEE C-001  
**PARTIAL EXISTING CONDITIONS/DEMOLITION PLAN**

1 C103



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CIVIL ENGINEERS  
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7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093



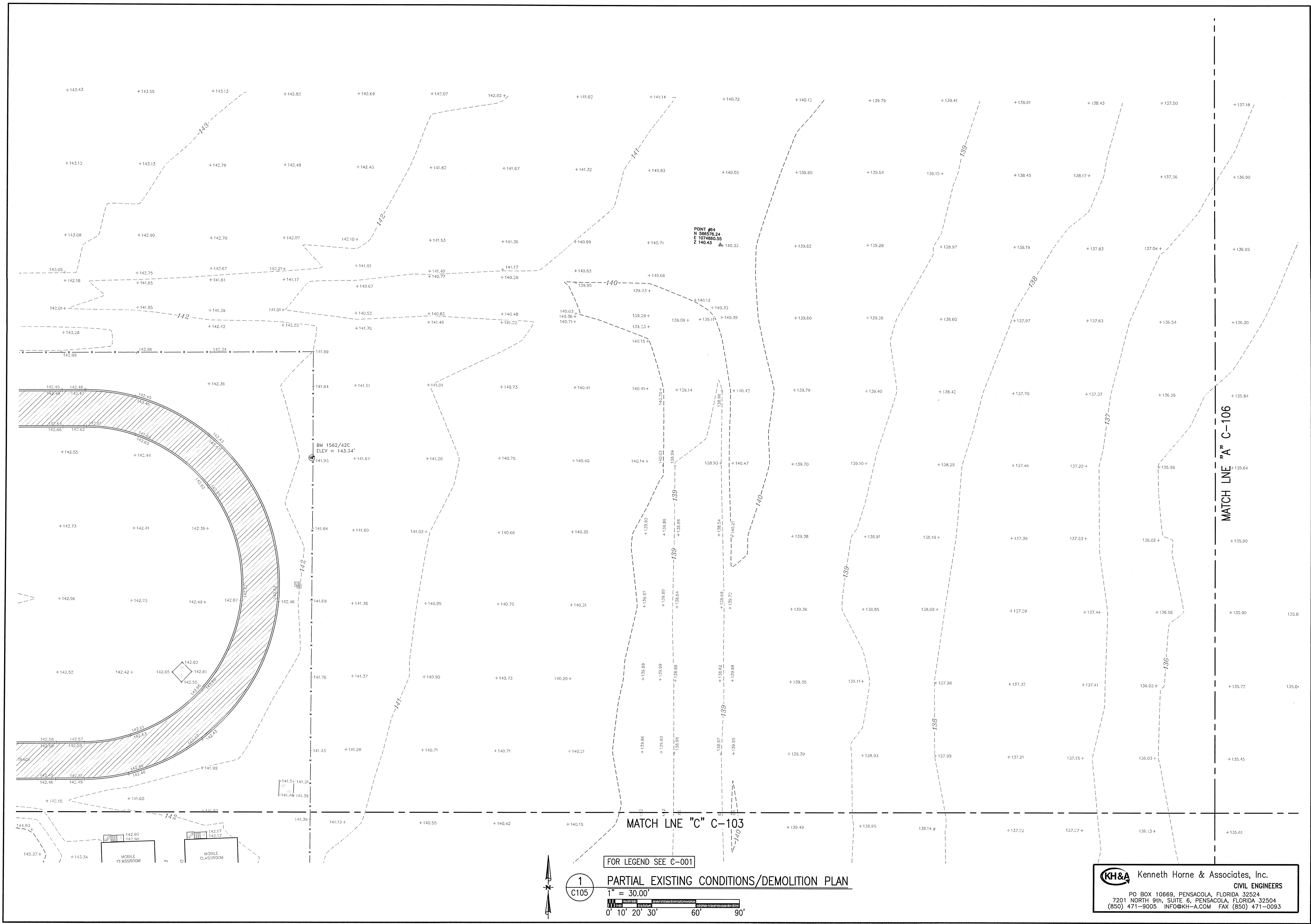


REVISIONS:


BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

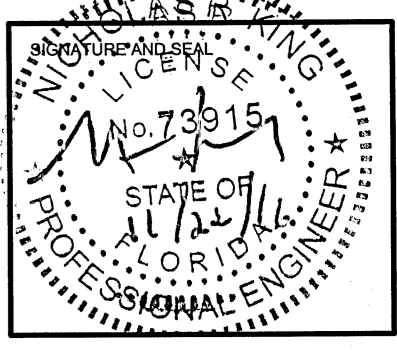
SHEET TITLE:  
**PARTIAL EXISTING  
 CONDITIONS /  
 DEMOLITION PLAN**

SHEET:  
**C-105**



**1**  
**C105**  
**PARTIAL EXISTING CONDITIONS/DEMOLITION PLAN**  
 1" = 30.00'  
 0' 10' 20' 30' 60' 90'

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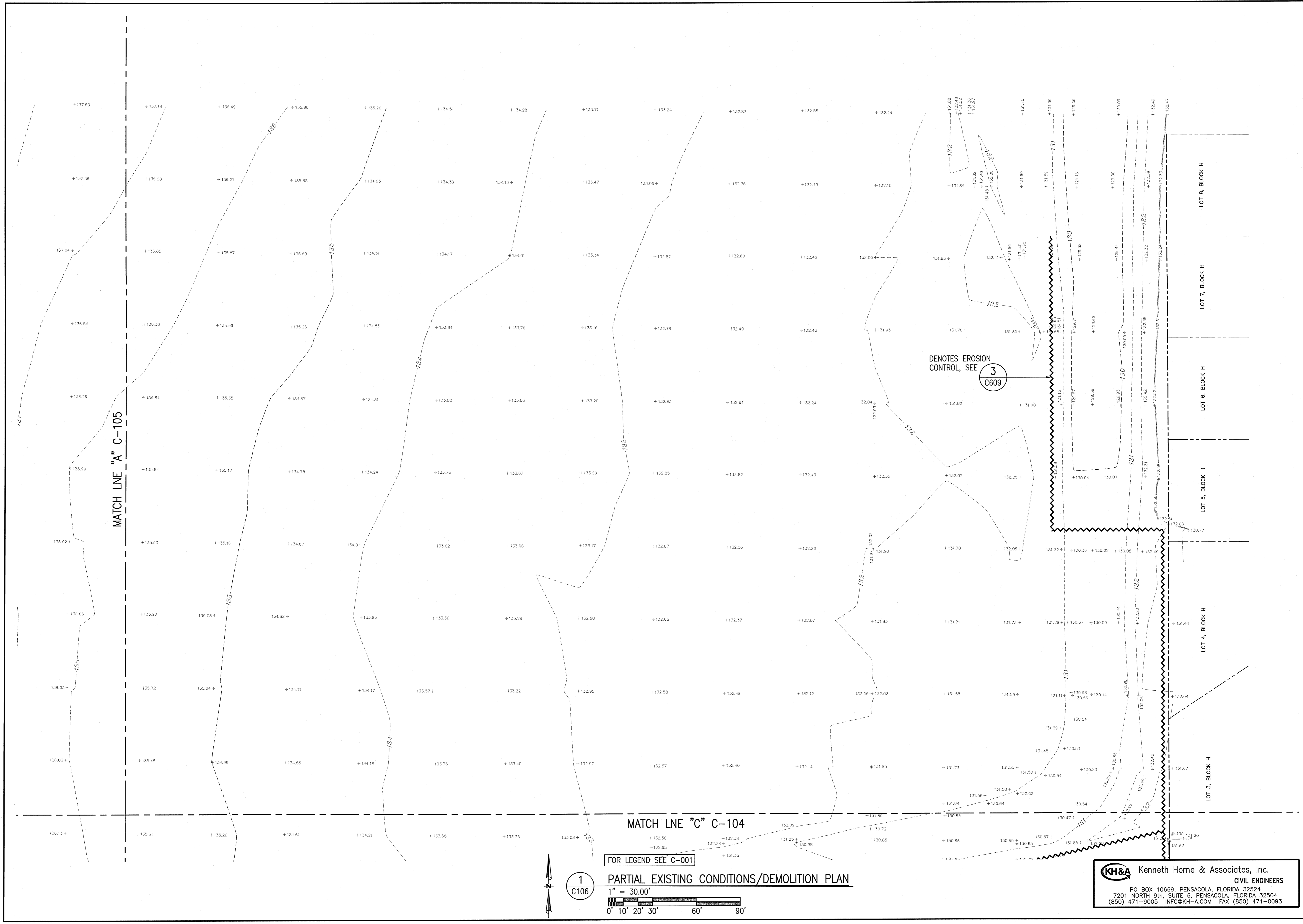


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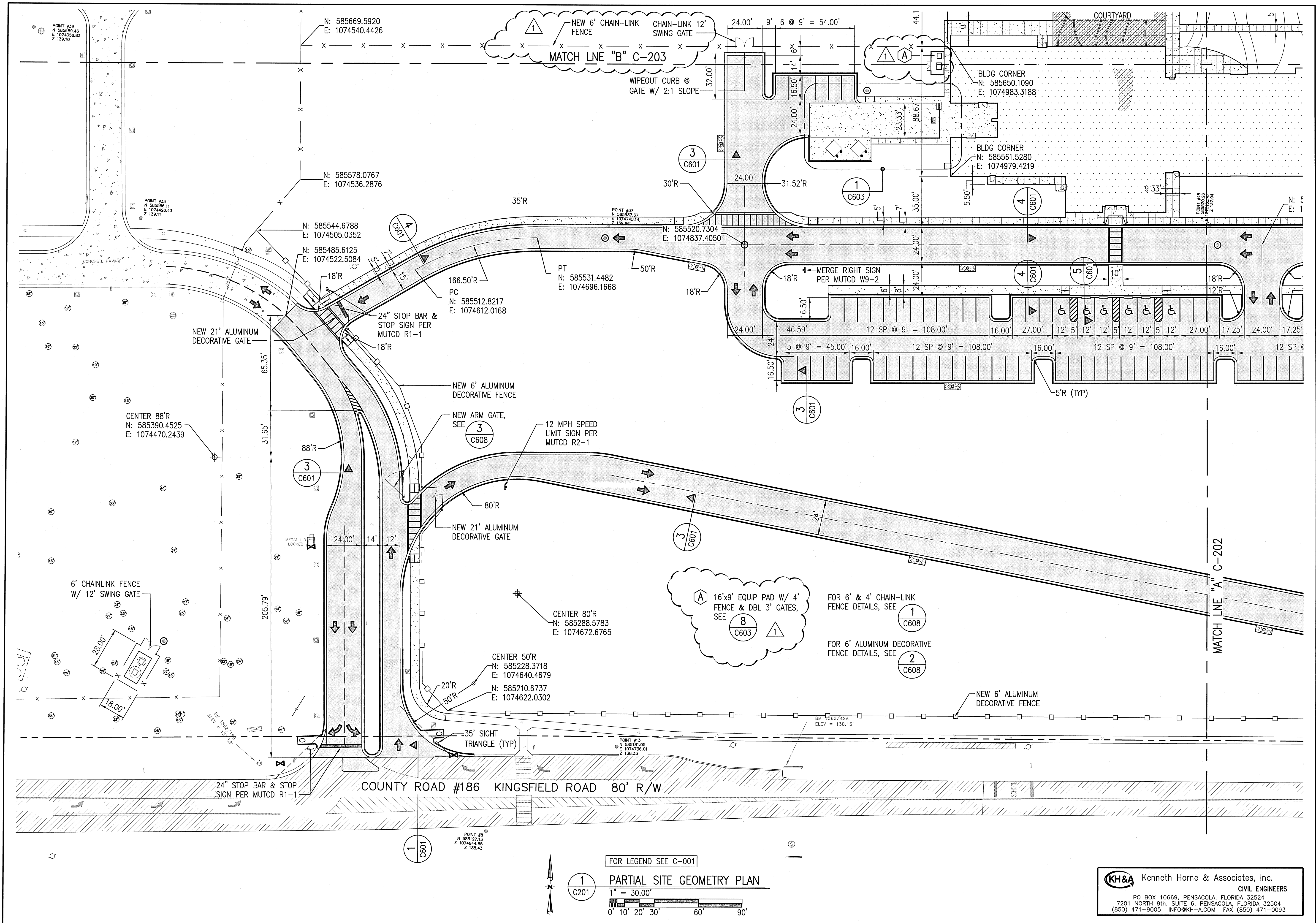

BTA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
PARTIAL EXISTING  
CONDITIONS /  
DEMOLITION PLAN

SHEET:  
C-106



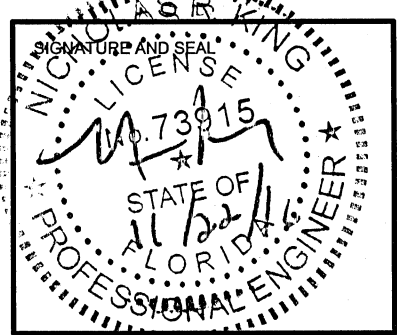
**KH&A** Kenneth Horne & Associates, Inc.  
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ARCHITECTURE  
INTERIOR DESIGN  
DESIGN BUILD

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Fax: 850.432.5208  
Phone: 850.434.5444

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12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**

900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:

1	10/21/2016

BTA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE GEOMETRY PLAN**

SHEET:  
**C-201**

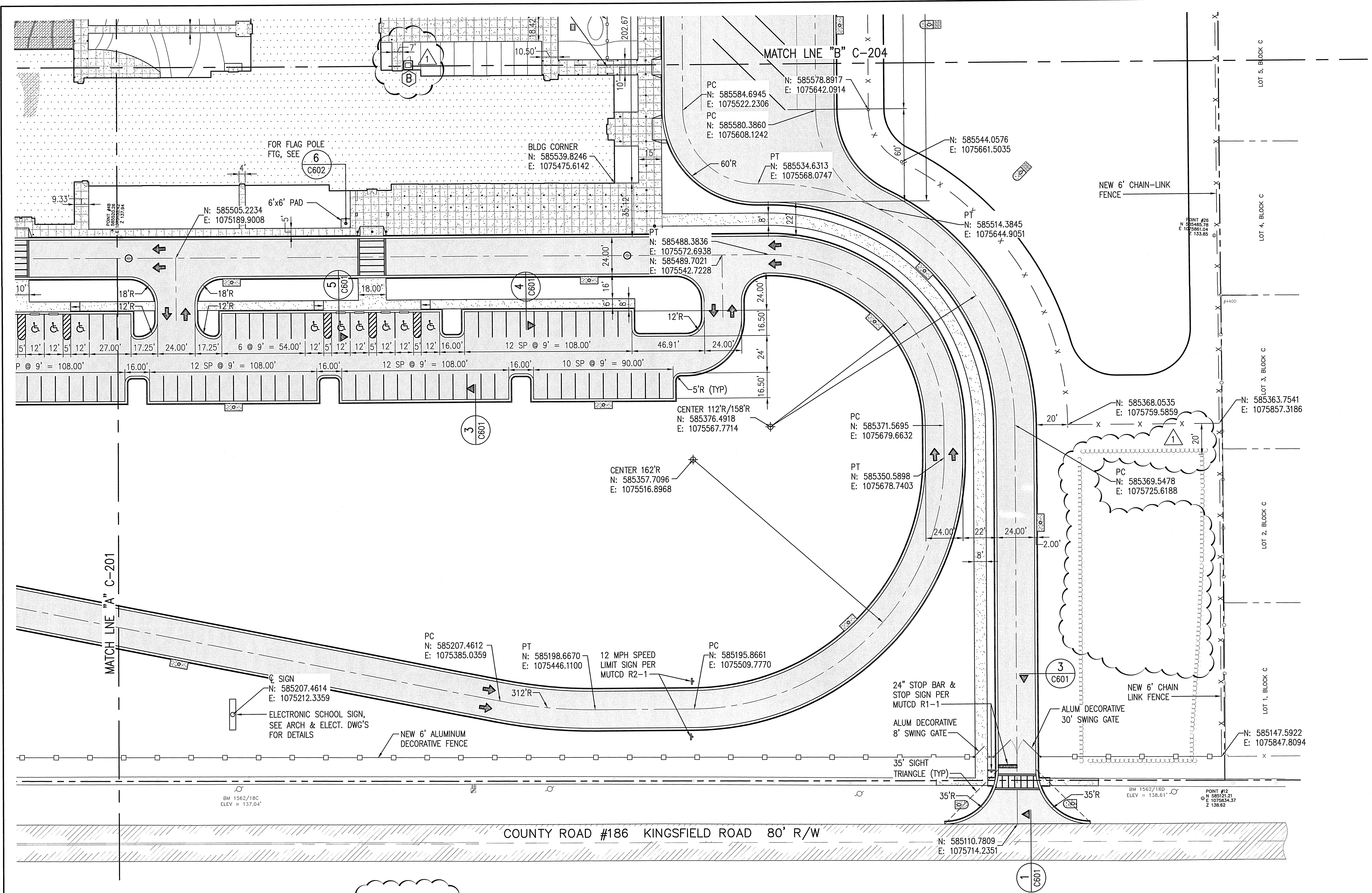
**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
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7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
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FOR LEGEND SEE C-001

**1**  
C201

**PARTIAL SITE GEOMETRY PLAN**  
1" = 30.00'

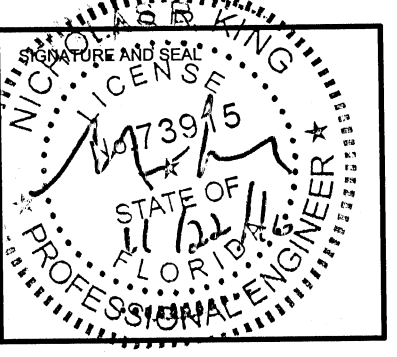
0' 10' 20' 30' 60' 90'



**BITA**  
...optimizing design value  
PLANNING ARCHITECTURE INTERIOR DESIGN DESIGN BUILD

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12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**

900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:

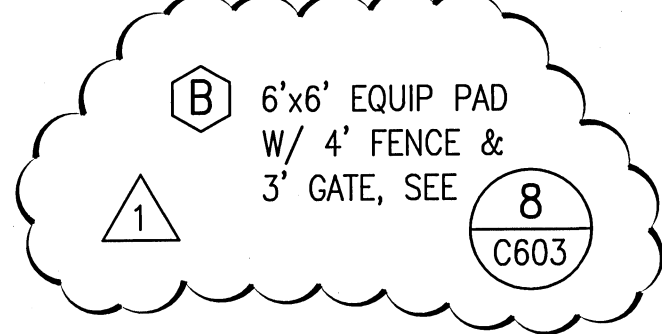
1	10/21/2016

BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE GEOMETRY PLAN**

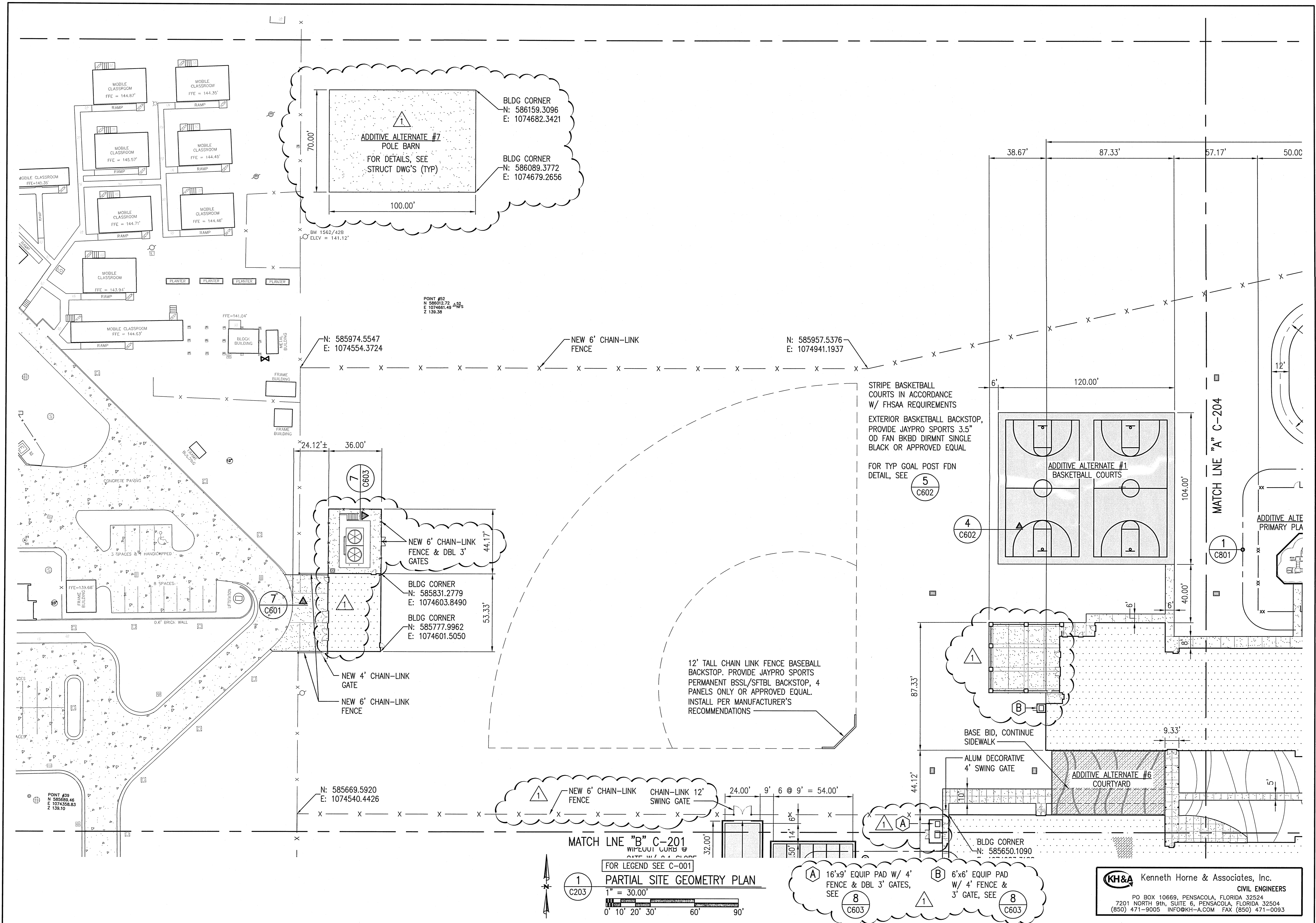
SHEET:  
**C-202**

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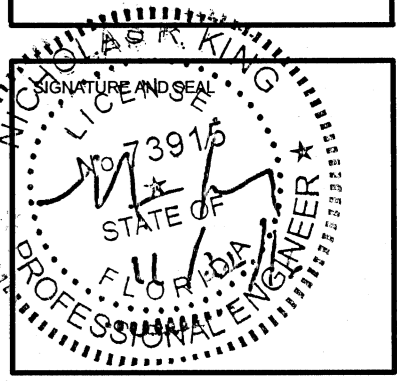
FOR LEGEND SEE C-001

1  
C202  
**PARTIAL SITE GEOMETRY PLAN**  
1" = 30.00'



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 FOR  
 CONSTRUCTION SET  
 12 SEPT 2016



KINGSFIELD ELEMENTARY SCHOOL - P3  
 900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

REVISIONS:	
1	10/21/2016

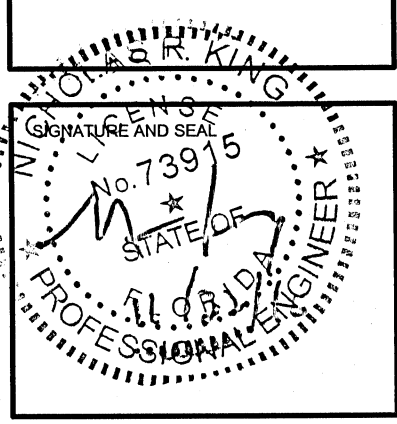
BITA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
 PARTIAL SITE  
 GEOMETRY PLAN

SHEET:  
 C-203

MATCH LINE "B" C-201  
 W/ PLANT CURB @ GATE W/ 4' SWING GATE  
 FOR LEGEND SEE C-001  
**PARTIAL SITE GEOMETRY PLAN**  
 1" = 30.00'  
 0' 10' 20' 30' 60' 90'

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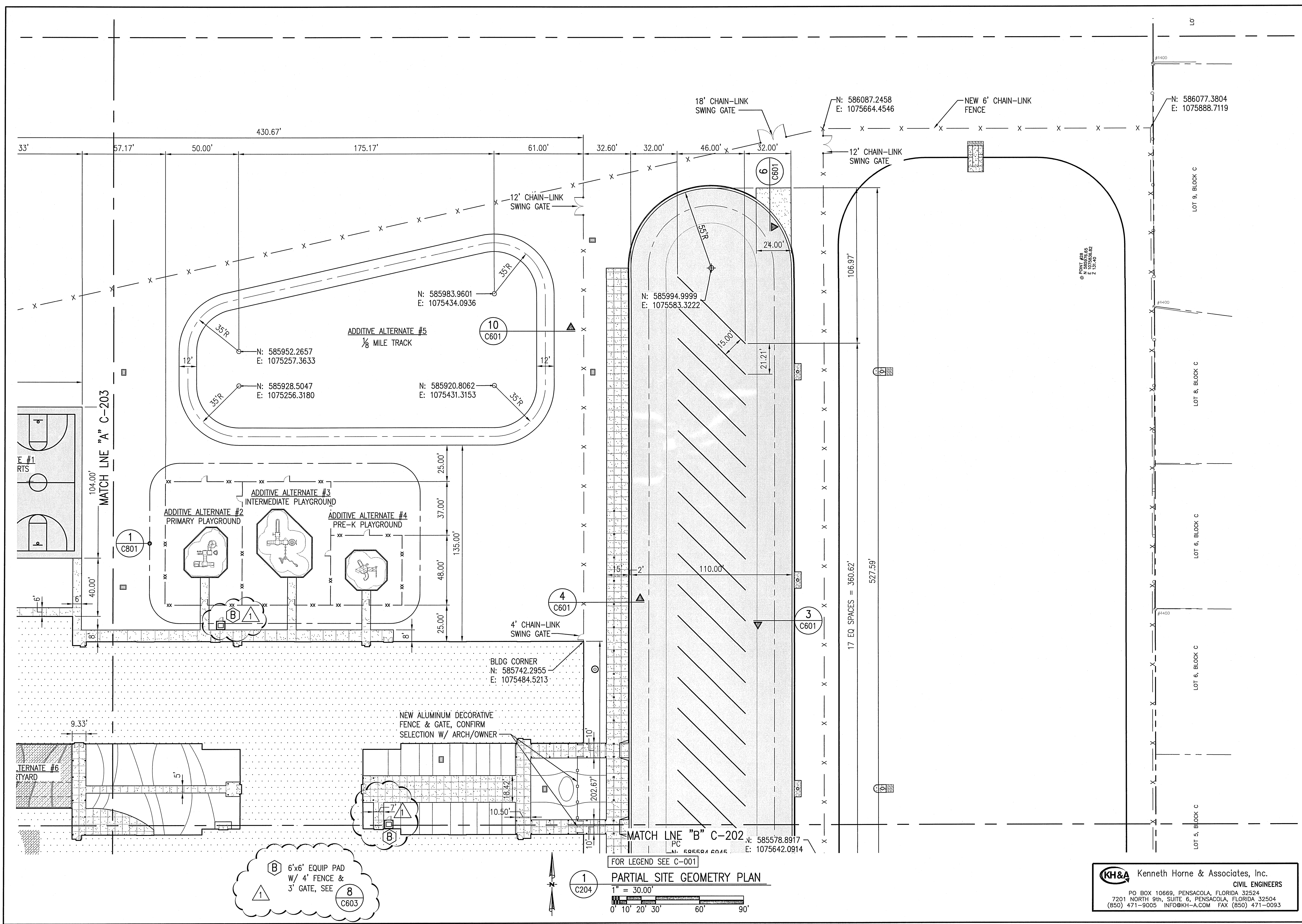
REVISIONS:

1	10/21/2016

BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

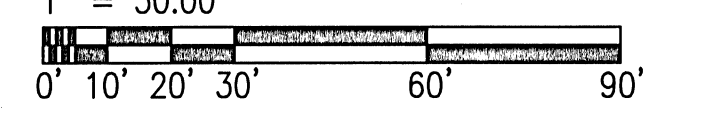
SHEET TITLE:  
**PARTIAL SITE  
GEOMETRY PLAN**

SHEET:  
**C-204**

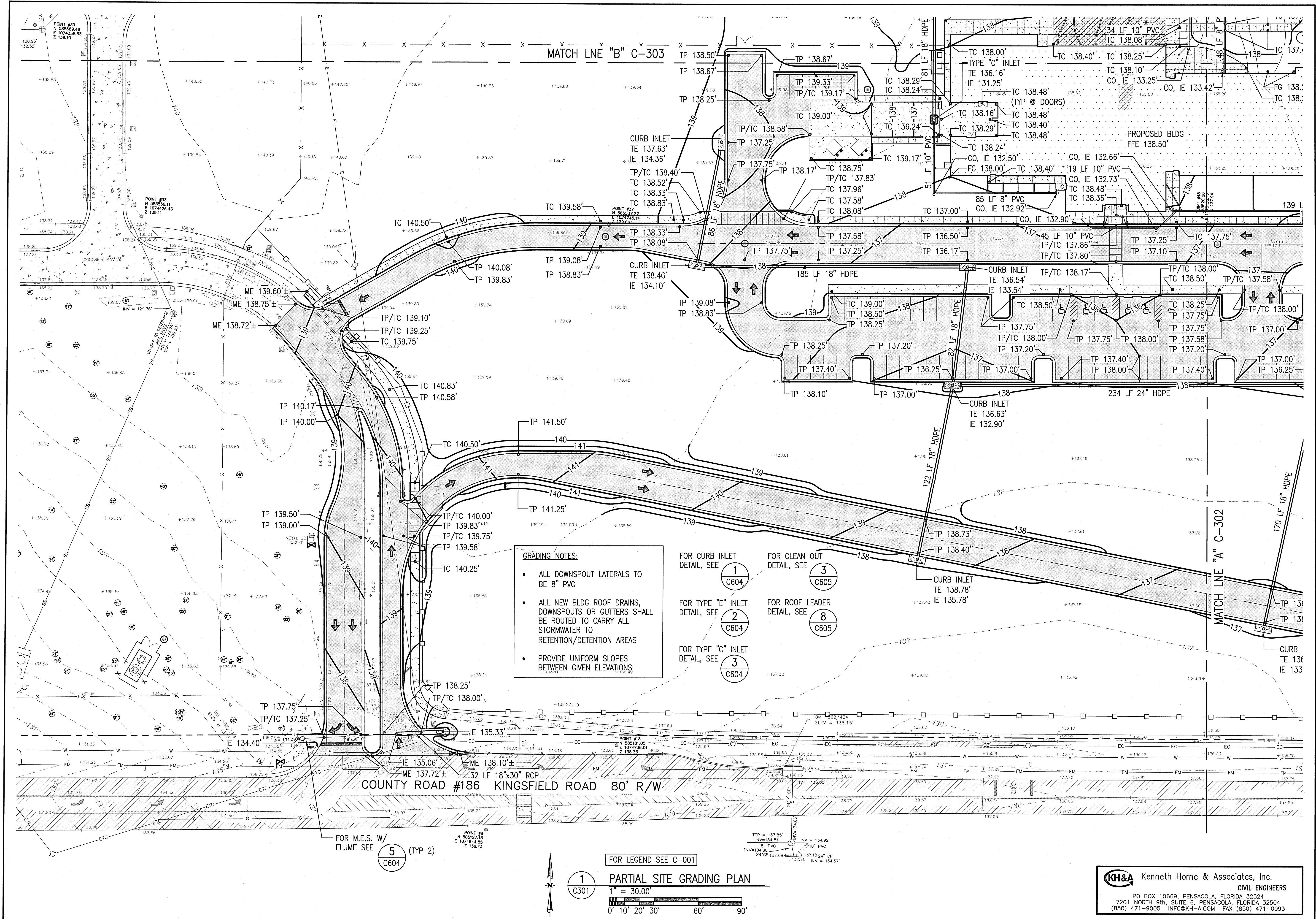


6'x6' EQUIP PAD  
W/ 4' FENCE &  
3' GATE, SEE  
8 C603

**1 PARTIAL SITE GEOMETRY PLAN**  
FOR LEGEND SEE C-001



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**GRADING NOTES:**

- ALL DOWNSPOUT LATERALS TO BE 8" PVC
- ALL NEW BLDG ROOF DRAINS, DOWNSPOUTS OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS
- PROVIDE UNIFORM SLOPES BETWEEN GIVEN ELEVATIONS

FOR CURB INLET DETAIL, SEE **1** C604

FOR TYPE "E" INLET DETAIL, SEE **2** C604

FOR TYPE "C" INLET DETAIL, SEE **3** C604

FOR CLEAN OUT DETAIL, SEE **3** C605

FOR ROOF LEADER DETAIL, SEE **8** C605

FOR LEGEND SEE C-001

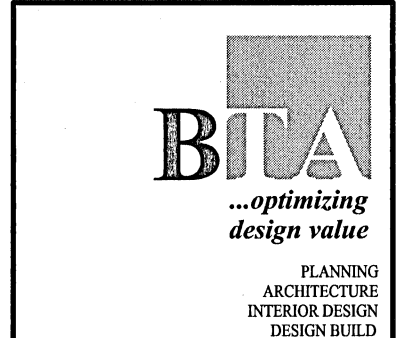
**1** C301

**PARTIAL SITE GRADING PLAN**

1" = 30.00'

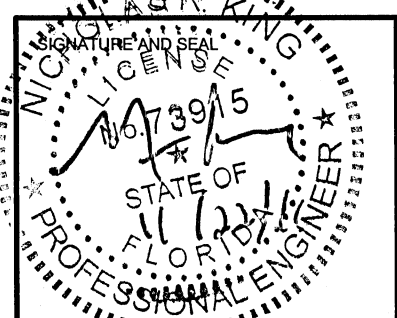
0' 10' 20' 30' 60' 90'

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**FAST TRACK CIVIL FOR CONSTRUCTION SET**  
 12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**

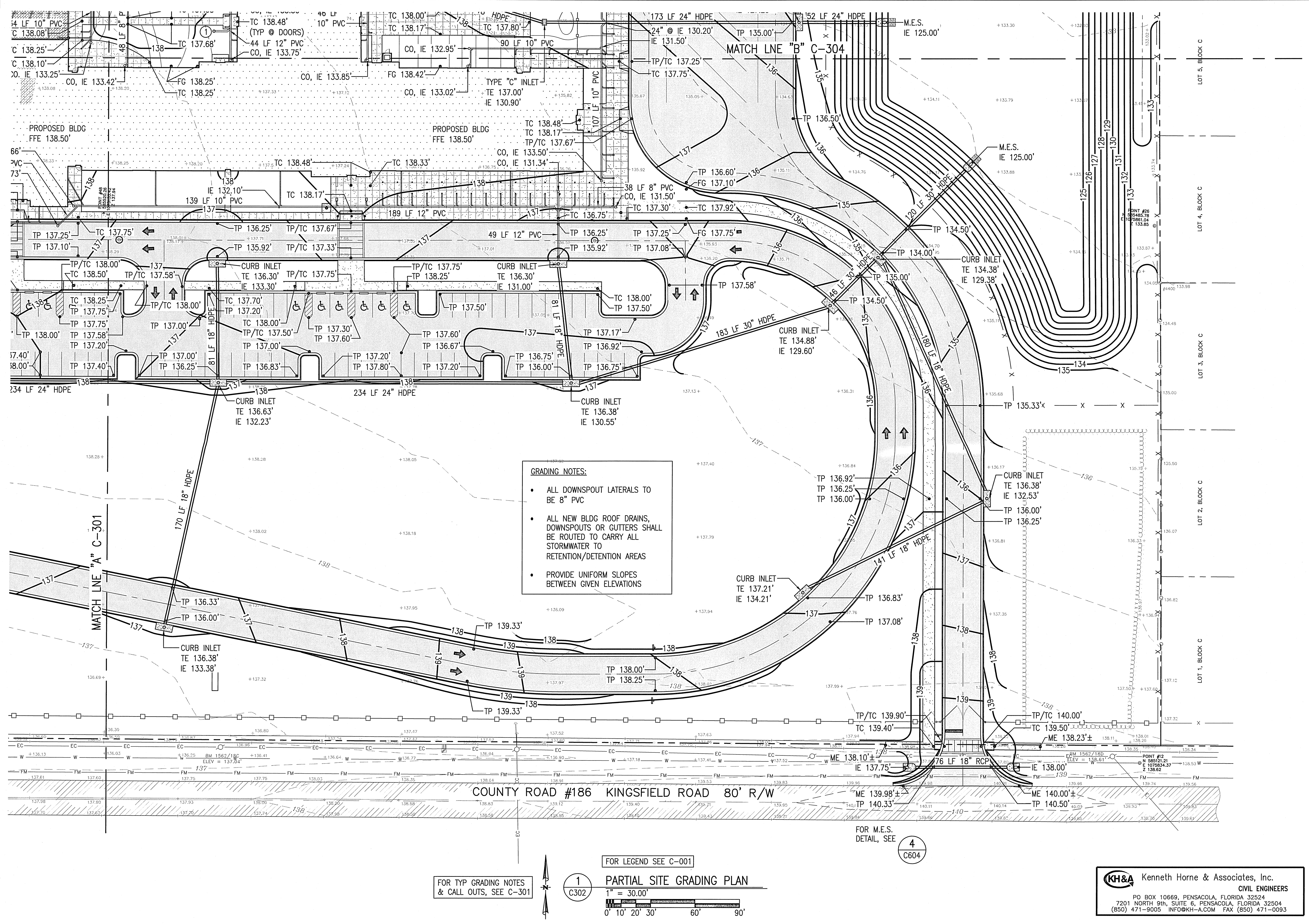
900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

REVISIONS:


BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE GRADING PLAN**

SHEET:  
**C-301**



- GRADING NOTES:**
- ALL DOWNSPOUT LATERALS TO BE 8" PVC
  - ALL NEW BLDG ROOF DRAINS, DOWNSPOUTS OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS
  - PROVIDE UNIFORM SLOPES BETWEEN GIVEN ELEVATIONS

FOR TYP GRADING NOTES & CALL OUTS, SEE C-301

FOR LEGEND SEE C-001

**1**  
C302

**PARTIAL SITE GRADING PLAN**  
1" = 30.00'

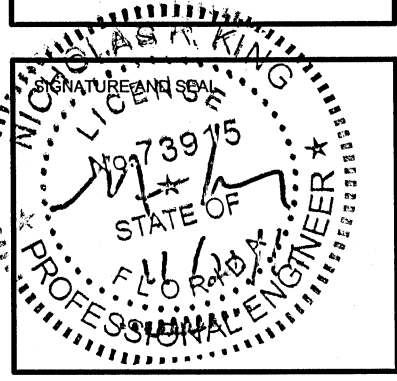
FOR M.E.S. DETAIL, SEE **4**  
C604

**KH&A** Kenneth Horne & Associates, Inc.  
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**FAST TRACK CIVIL FOR CONSTRUCTION SET**  
12 SEPT 2016



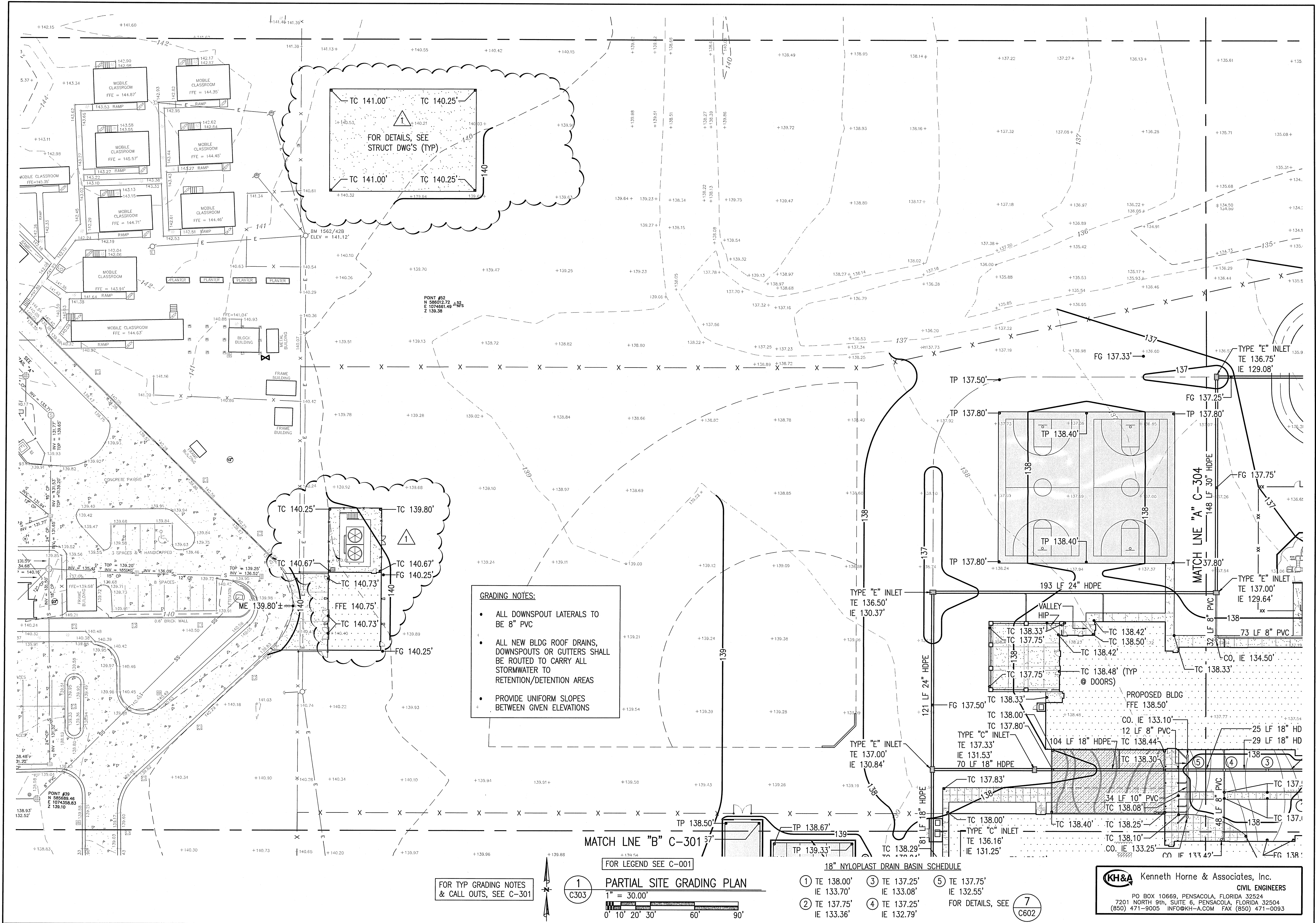
**KINGSFIELD ELEMENTARY SCHOOL - P3**  
900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:


BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE GRADING PLAN**

SHEET:  
**C-302**



**GRADING NOTES:**

- ALL DOWNSPOUT LATERALS TO BE 8" PVC
- ALL NEW BLDG ROOF DRAINS, DOWNSPOUTS OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS
- PROVIDE UNIFORM SLOPES BETWEEN GIVEN ELEVATIONS

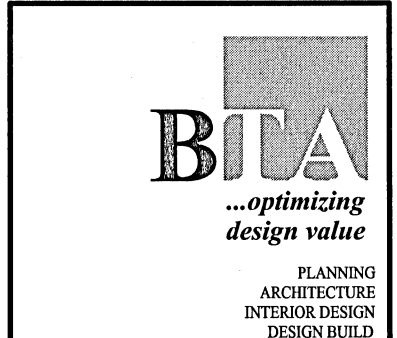
FOR TYP GRADING NOTES & CALL OUTS, SEE C-301

FOR LEGEND SEE C-001

**1 PARTIAL SITE GRADING PLAN**  
 1" = 30.00'  
 0' 10' 20' 30' 60' 90'

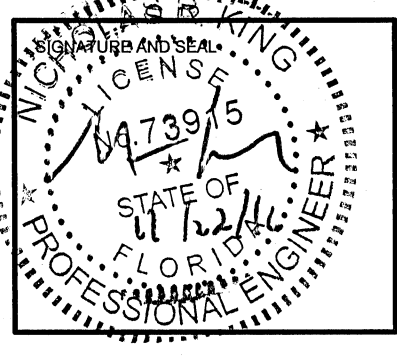
- 18" NYLOPLAST DRAIN BASIN SCHEDULE**
- ① TE 138.00' IE 133.70'
  - ② TE 137.75' IE 133.36'
  - ③ TE 137.25' IE 133.08'
  - ④ TE 137.25' IE 132.79'
  - ⑤ TE 137.75' IE 132.55'
- FOR DETAILS, SEE C602

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 12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**  
 900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

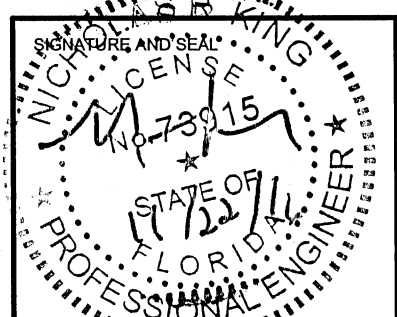
REVISIONS:

1	10/21/2016

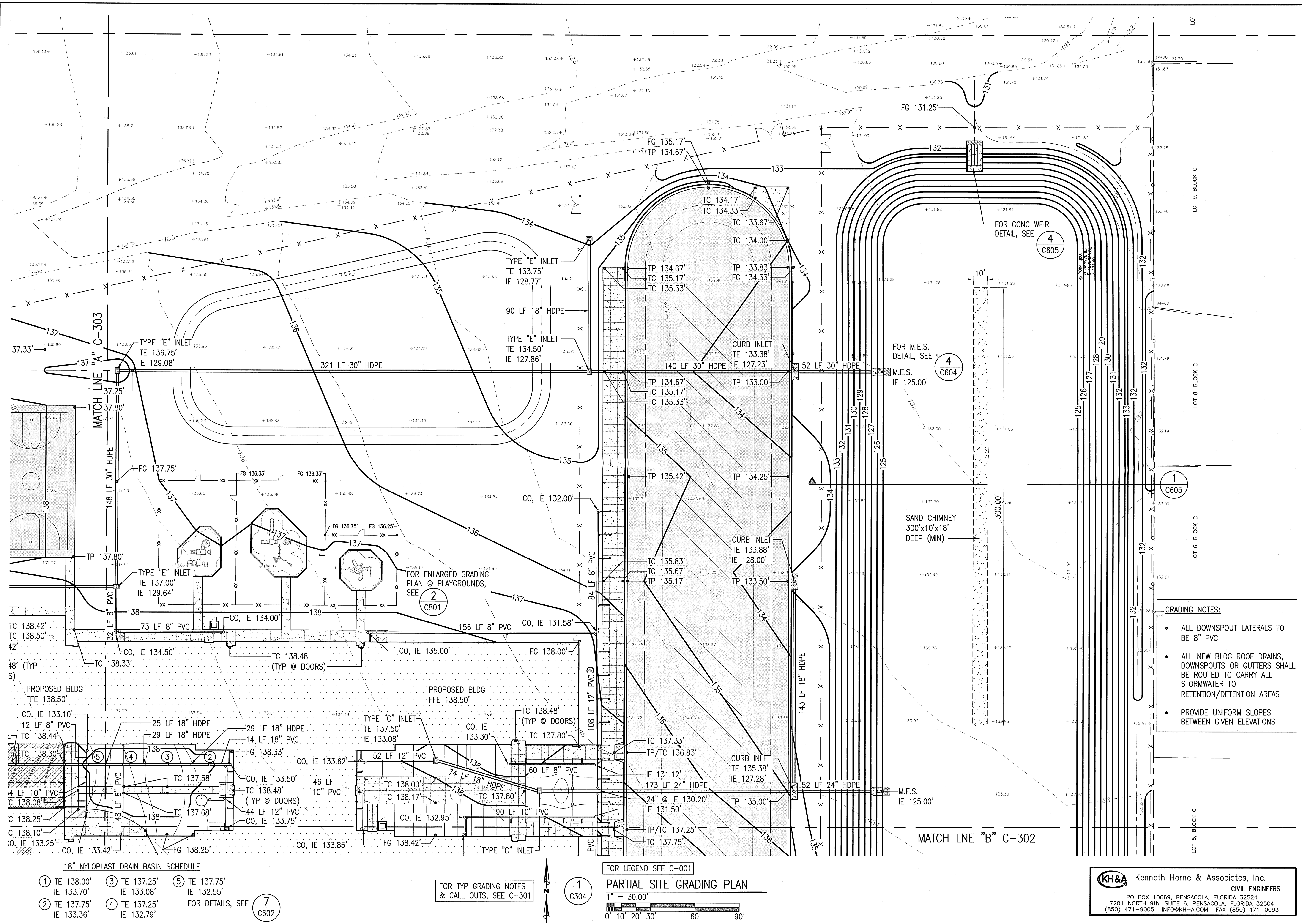
BITA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE GRADING PLAN**

SHEET:  
**C-303**



REVISIONS:

- GRADING NOTES:**
- ALL DOWNSPOUT LATERALS TO BE 8" PVC
  - ALL NEW BLDG ROOF DRAINS, DOWNSPOUTS OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS
  - PROVIDE UNIFORM SLOPES BETWEEN GIVEN ELEVATIONS

**18" NYLOPLAST DRAIN BASIN SCHEDULE**

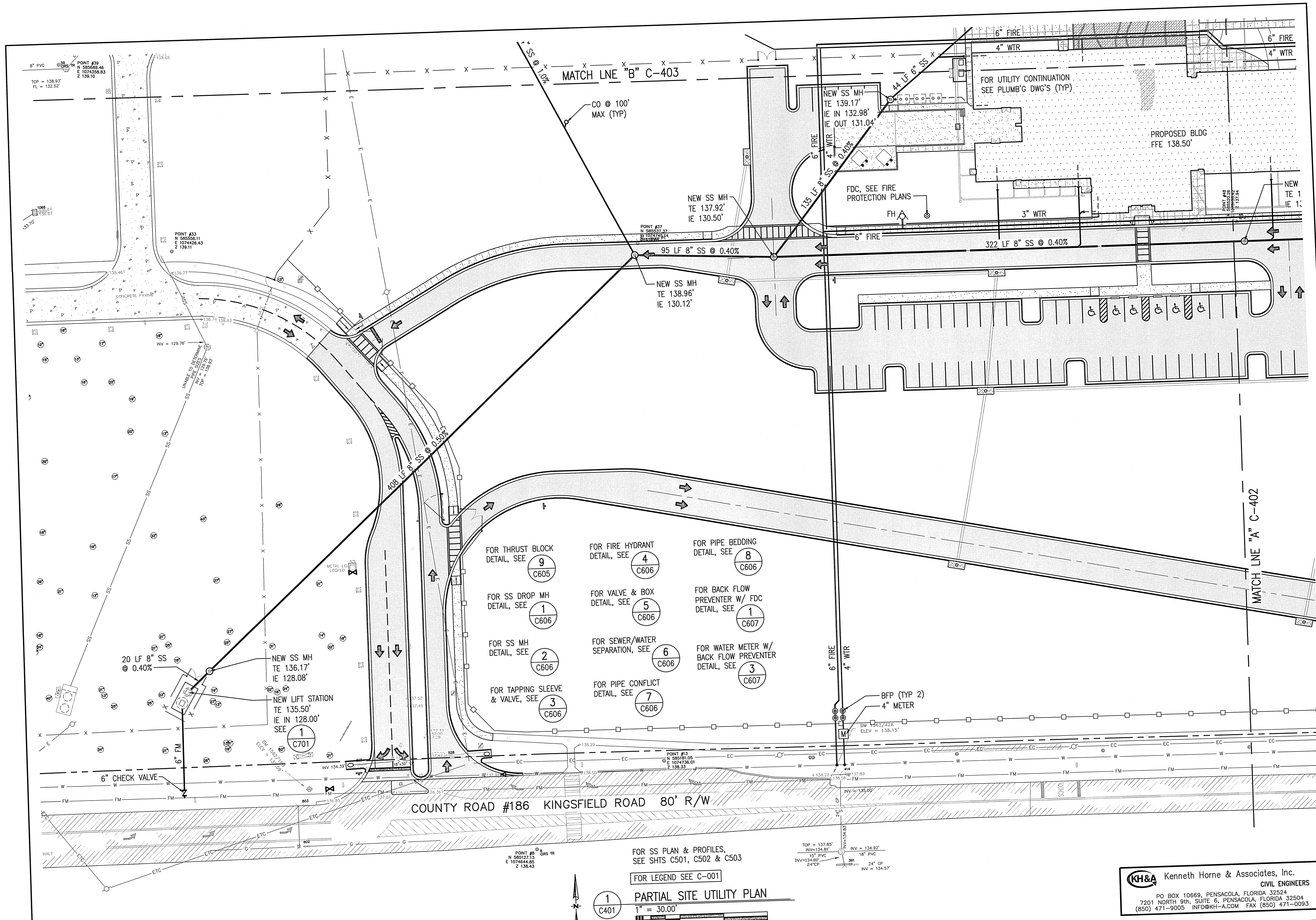
① TE 138.00' IE 133.70'	③ TE 137.25' IE 133.08'	⑤ TE 137.75' IE 132.55'
② TE 137.75' IE 133.36'	④ TE 137.25' IE 132.79'	⑦ FOR DETAILS, SEE C602

FOR TYP GRADING NOTES & CALL OUTS, SEE C-301

FOR LEGEND SEE C-001

**1 PARTIAL SITE GRADING PLAN**  
1" = 30.00'

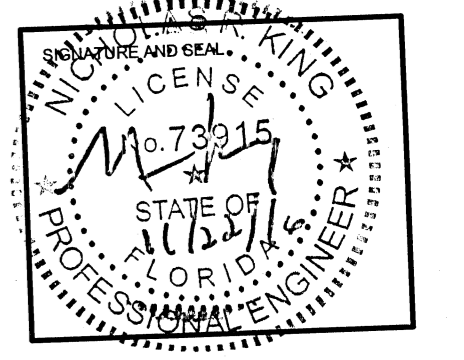
**KH&A** Kenneth Horne & Associates, Inc.  
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**BITA**  
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 PLANNING ARCHITECTURE INTERIOR DESIGN DESIGN BUILD

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 12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**

900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

REVISIONS:


BITA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE UTILITY PLAN**

SHEET:  
**C-401**

FOR SS PLAN & PROFILES, SEE SHTS C501, C502 & C503  
 FOR LEGEND SEE C-001

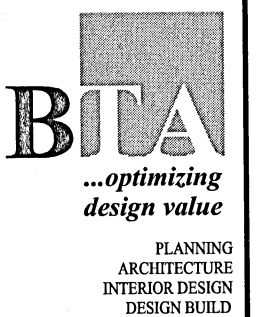
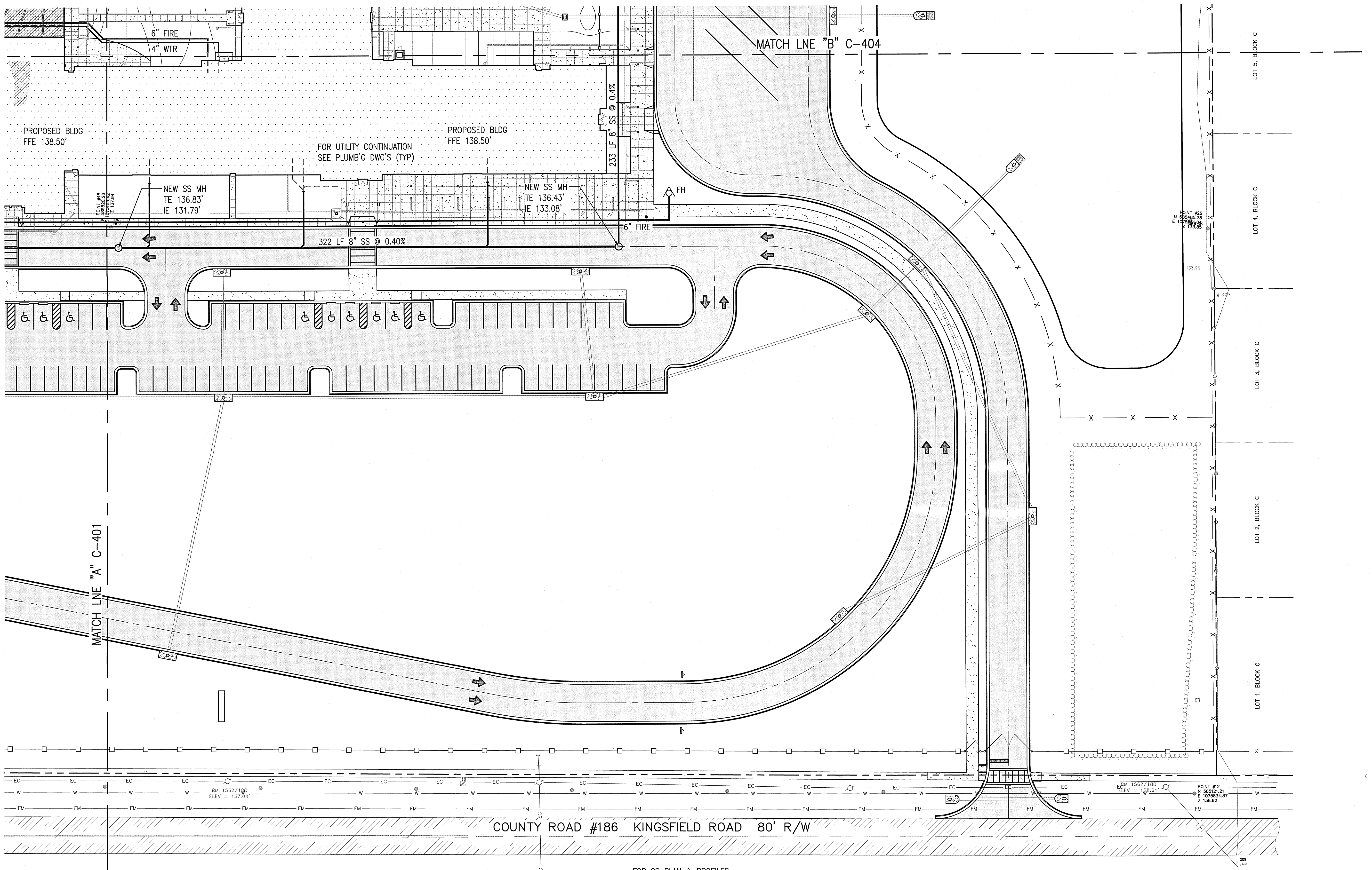
**1**  
 C401

**PARTIAL SITE UTILITY PLAN**

1" = 30.00'

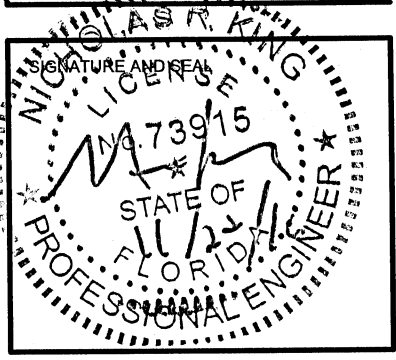
0' 10' 20' 30' 60' 90'

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 12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**  
 900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

REVISIONS:

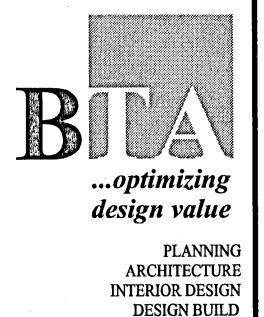
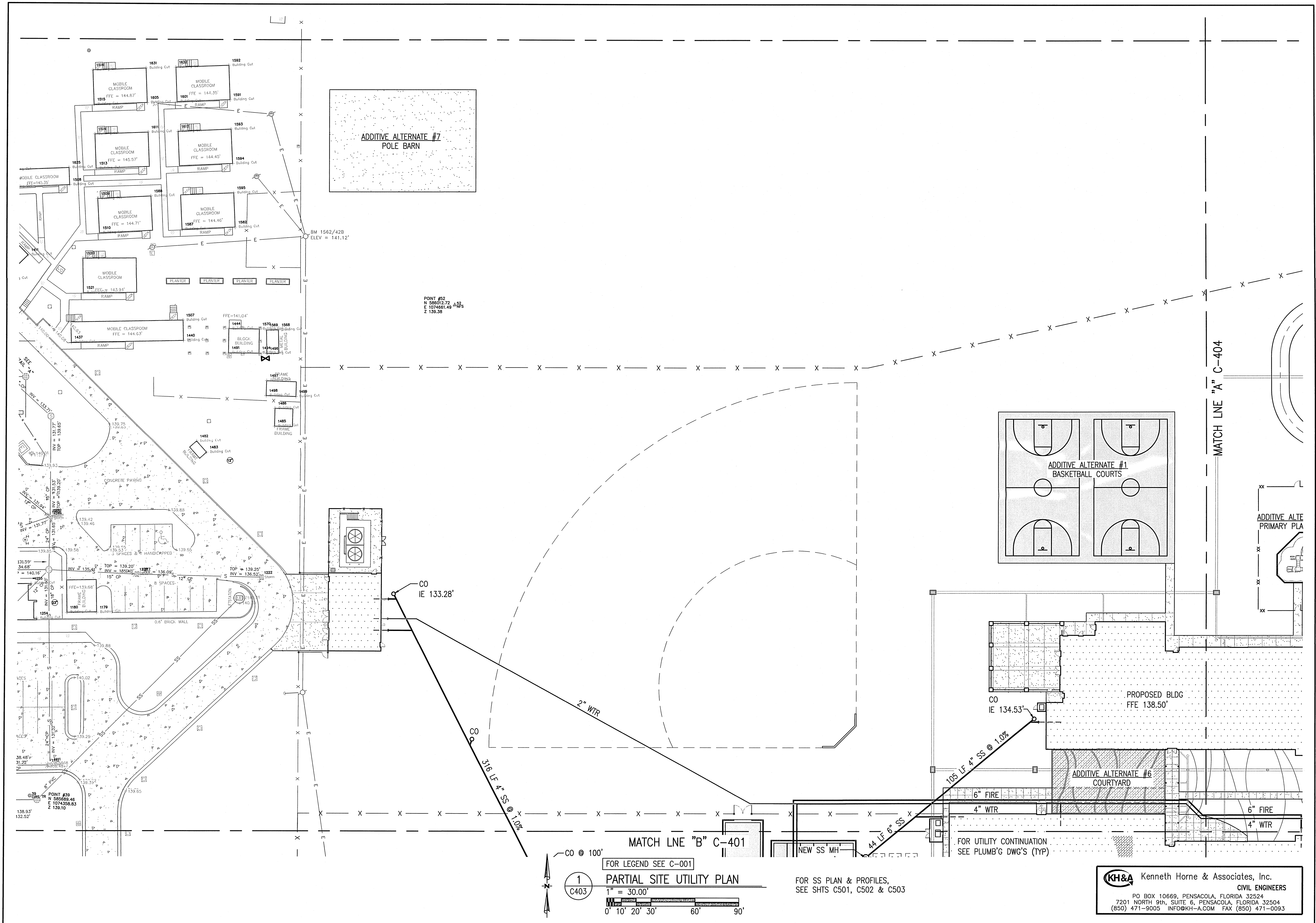

BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE UTILITY PLAN**

SHEET:  
**C-402**

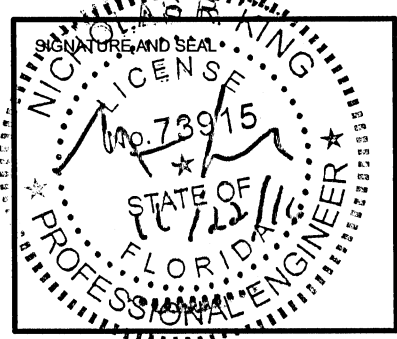
FOR SS PLAN & PROFILES,  
 SEE SHTS C501, C502 & C503  
 FOR LEGEND SEE C-001  
**1**  
**C402**  
**PARTIAL SITE UTILITY PLAN**  
 1" = 30.00'  
 0' 10' 20' 30' 60' 90'

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**FAST TRACK CIVIL FOR CONSTRUCTION SET**  
 12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**  
 900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

REVISIONS:


BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
**PARTIAL SITE UTILITY PLAN**

SHEET:  
**C-403**

FOR LEGEND SEE C-001

**1**  
 C403

**PARTIAL SITE UTILITY PLAN**

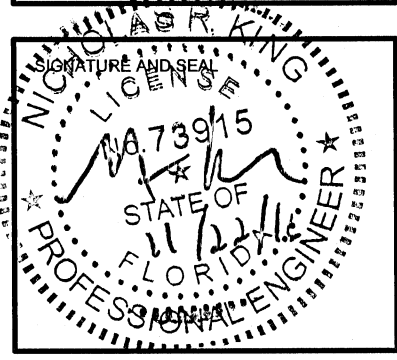
FOR SS PLAN & PROFILES,  
 SEE SHTS C501, C502 & C503

1" = 30.00'

0' 10' 20' 30' 60' 90'

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS

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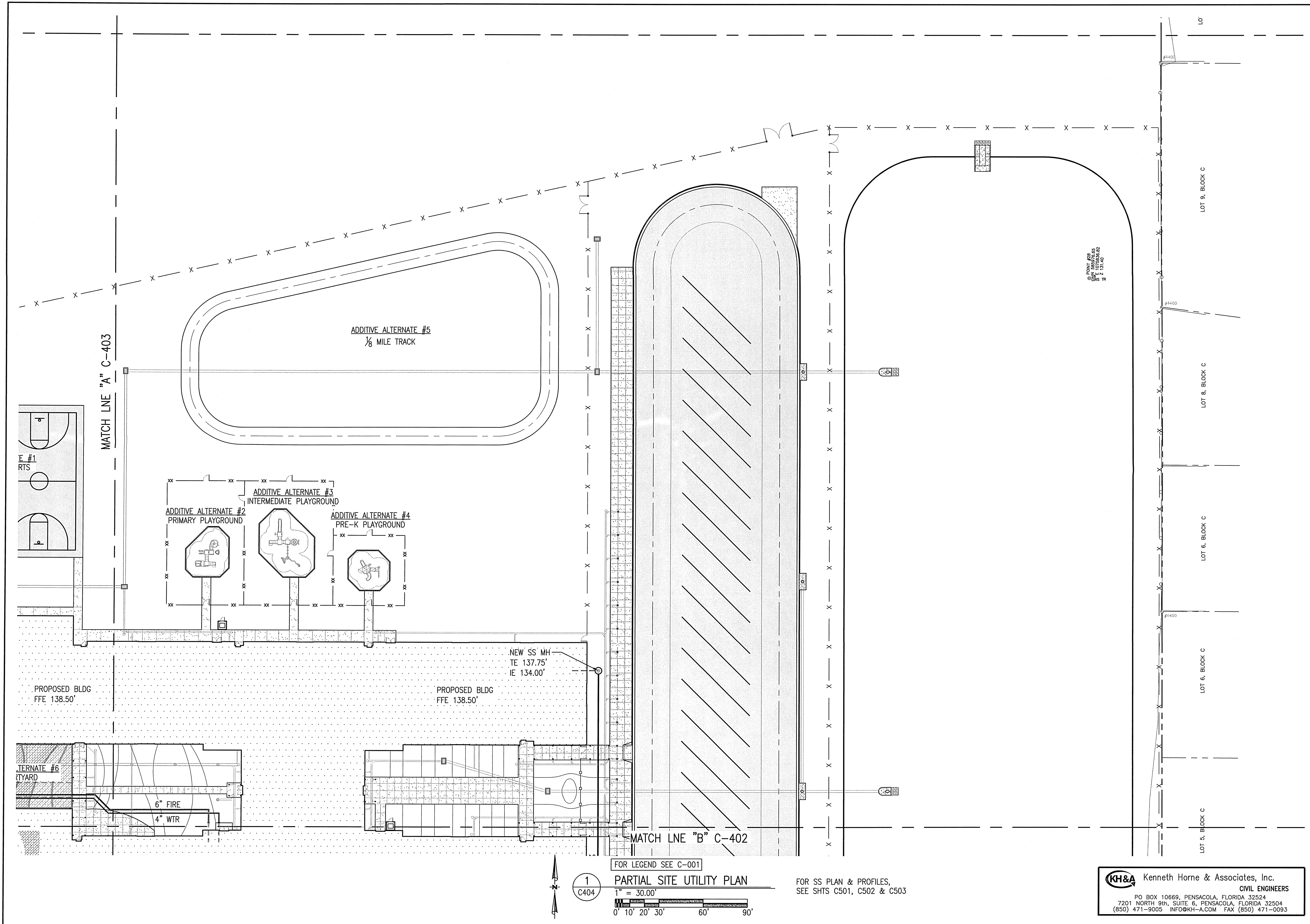


REVISIONS:


BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

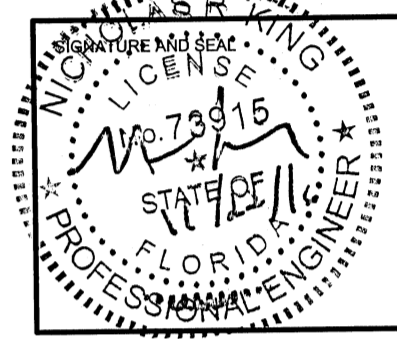
SHEET TITLE:  
**PARTIAL SITE  
UTILITY PLAN**

SHEET:  
**C-404**



FOR LEGEND SEE C-001  
**1**  
C404  
**PARTIAL SITE UTILITY PLAN**  
FOR SS PLAN & PROFILES,  
SEE SHTS C501, C502 & C503  
1" = 30.00'  
0' 10' 20' 30' 60' 90'

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7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
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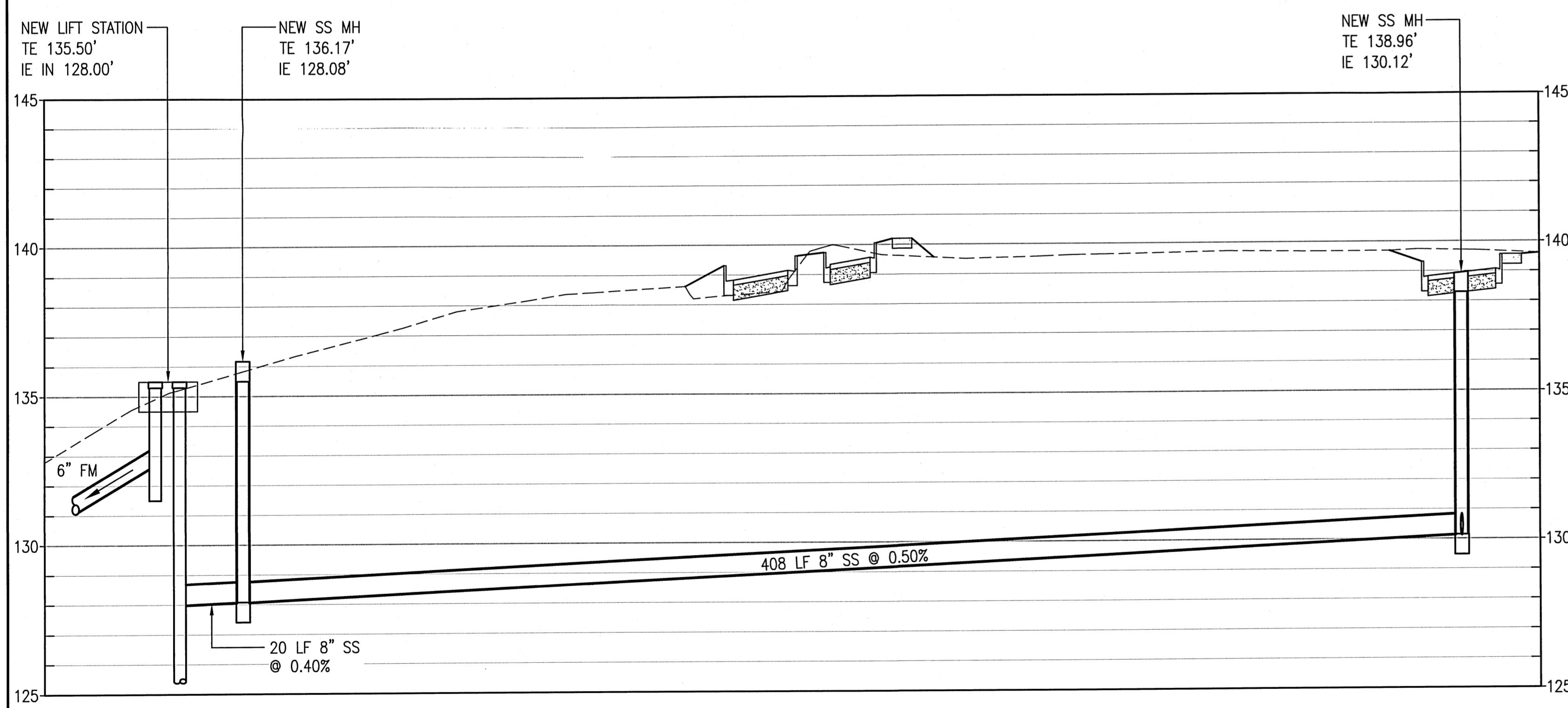
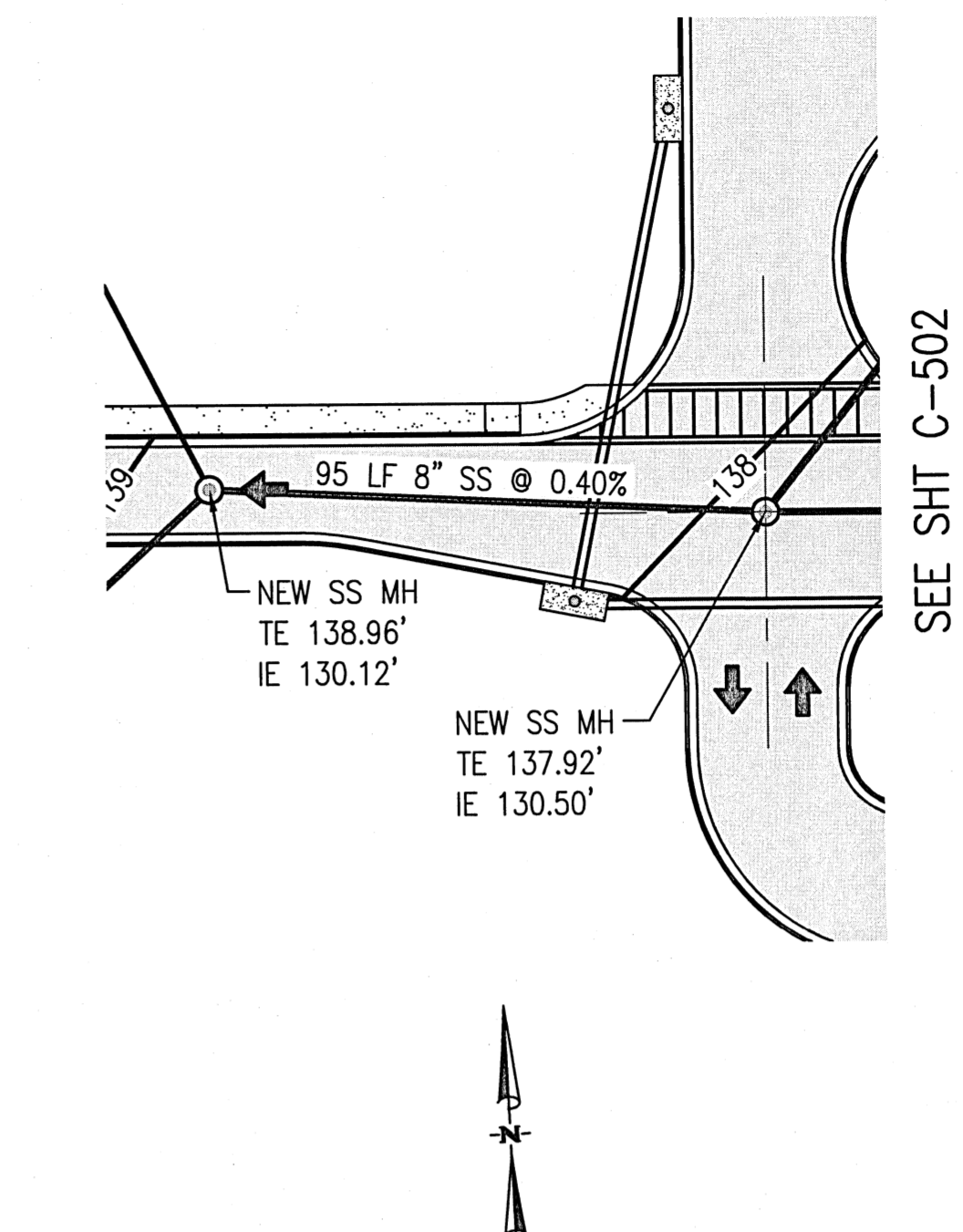
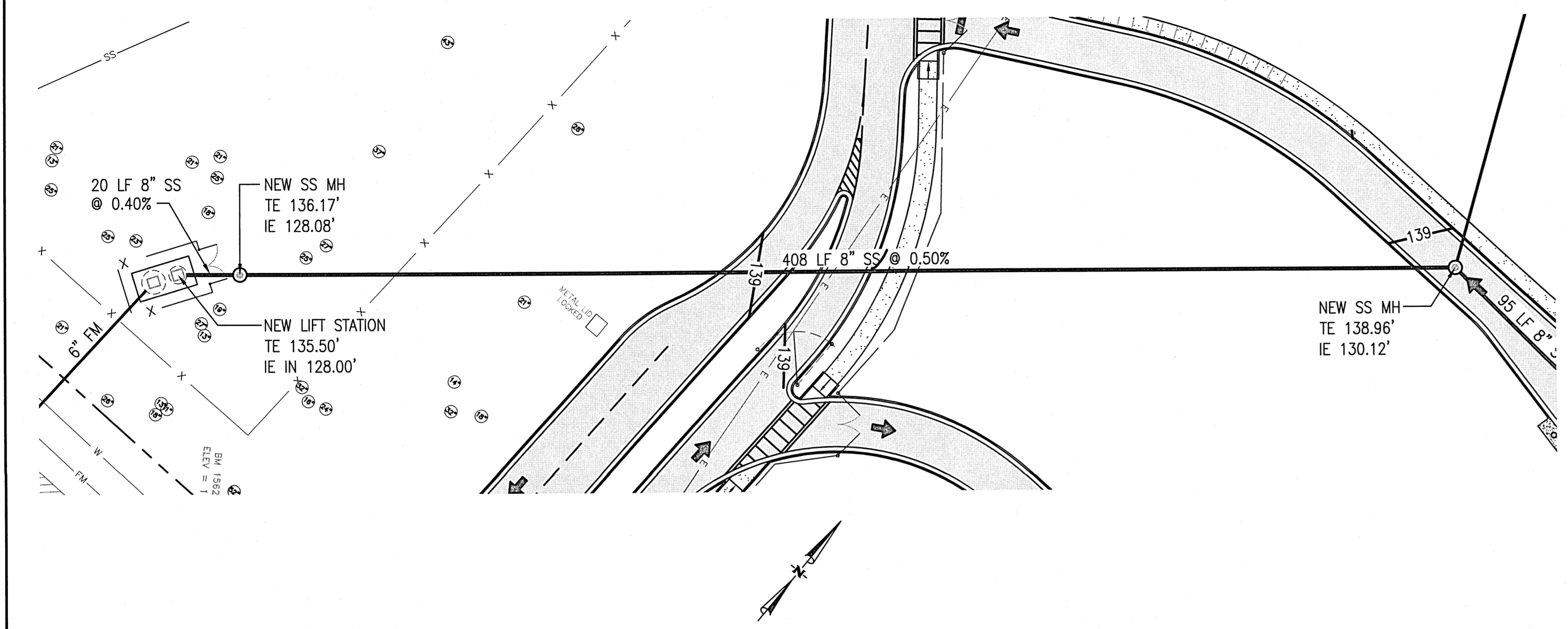


REVISIONS:

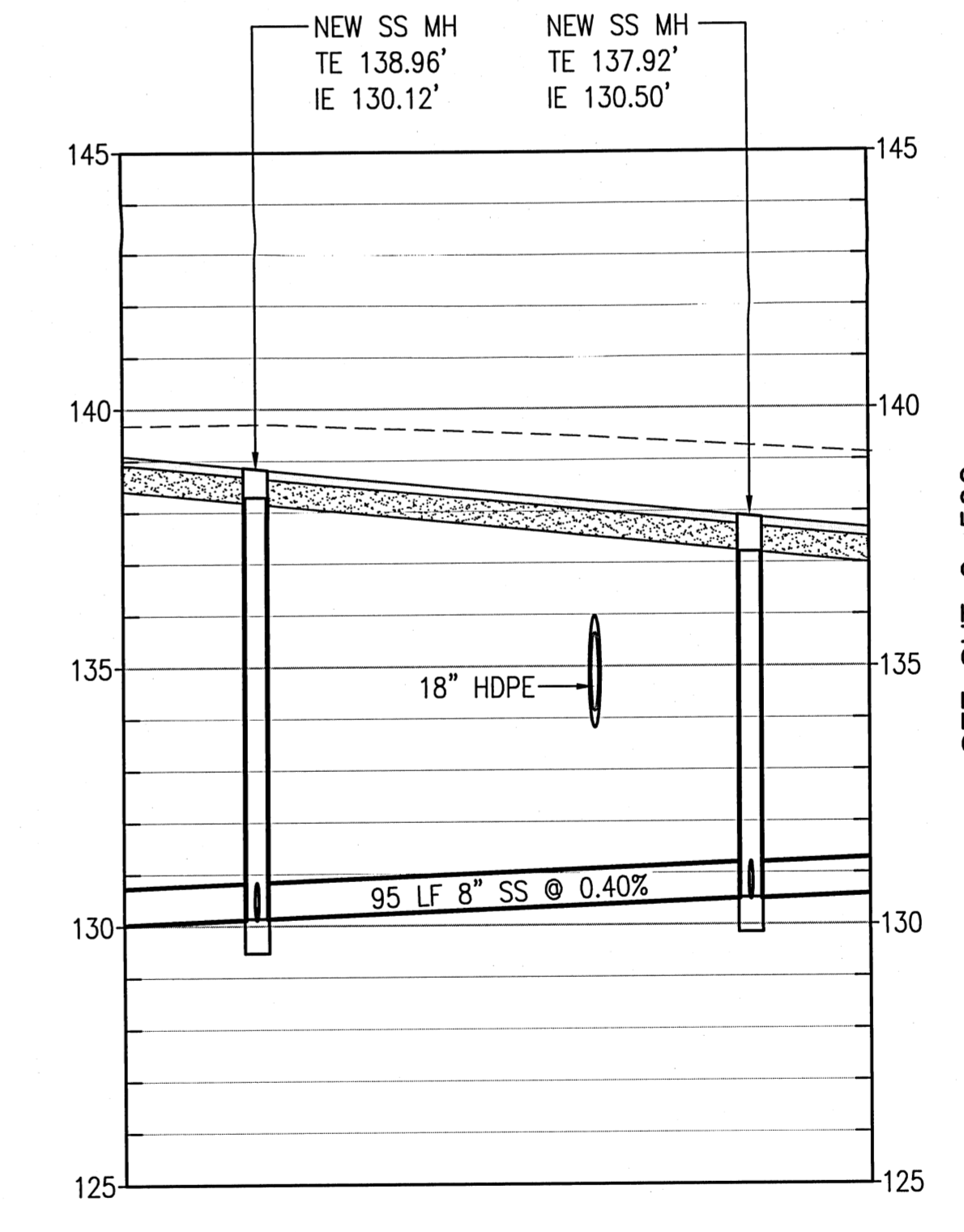

BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
**SANITARY PLAN  
& PROFILE**

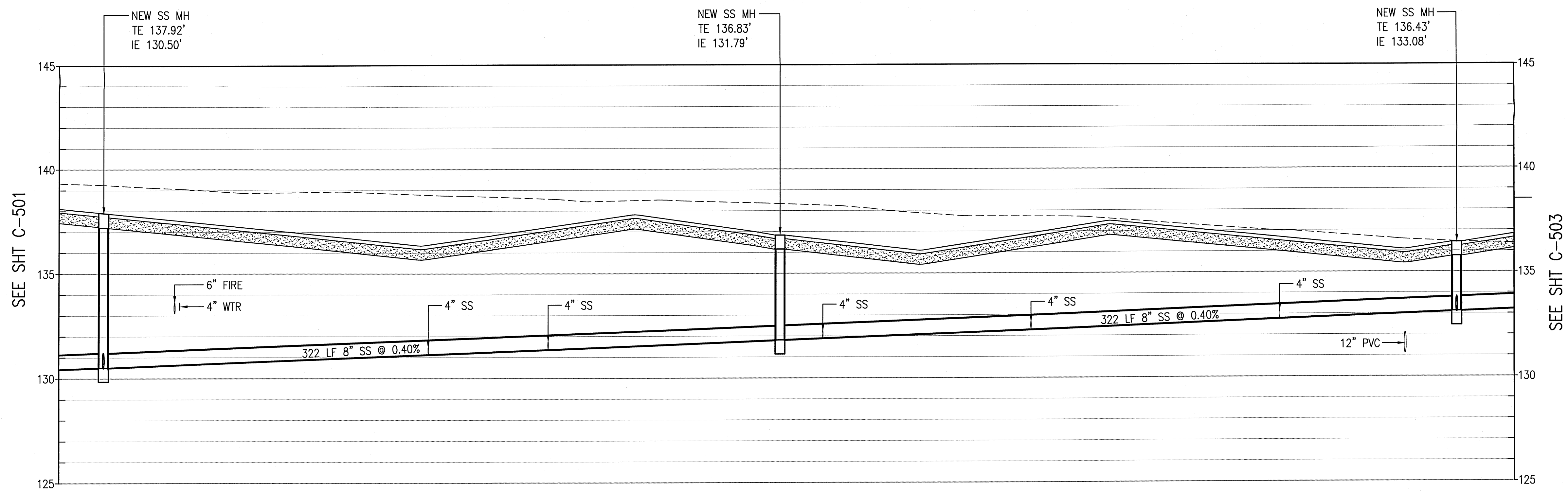
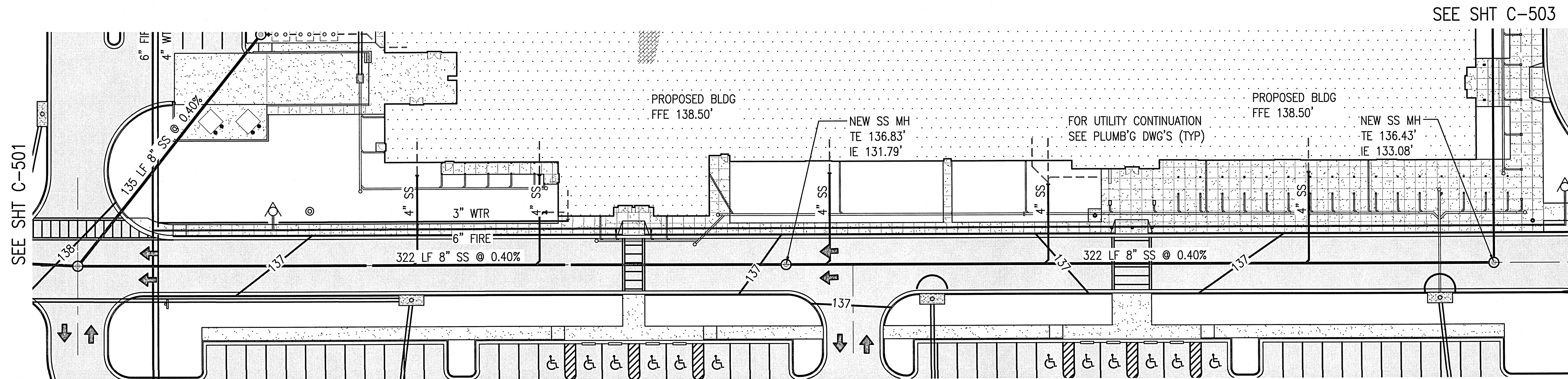
SHEET:  
**C-501**



**SEWER PROFILE**  
1" = 30' HORIZ / 1" = 3' VERT



**SEWER PROFILE**  
1" = 30' HORIZ / 1" = 3' VERT



SEWER PROFILE  
 1" = 30' HORIZ / 1" = 3' VERT

SEE SHT C-503

SEE SHT C-501

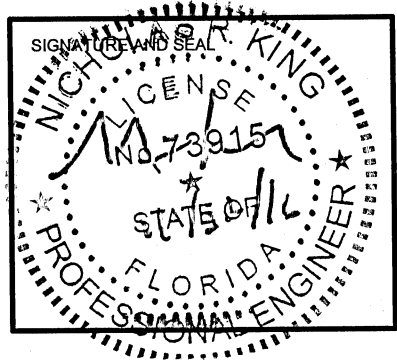
SEE SHT C-501

SEE SHT C-503



Bullock Tice Associates  
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 Pensacola, FL 32501  
 AAC000174  
 www.bullocktice.com  
 Fax: 850-432-5208  
 Phone: 850-434-5444

FAST TRACK CIVIL  
 FOR  
 CONSTRUCTION SET  
 12 SEPT 2016



KINGSFIELD ELEMENTARY SCHOOL - P3  
 900 WEST KINGSFIELD ROAD  
 CANTONMENT, FLORIDA 32533

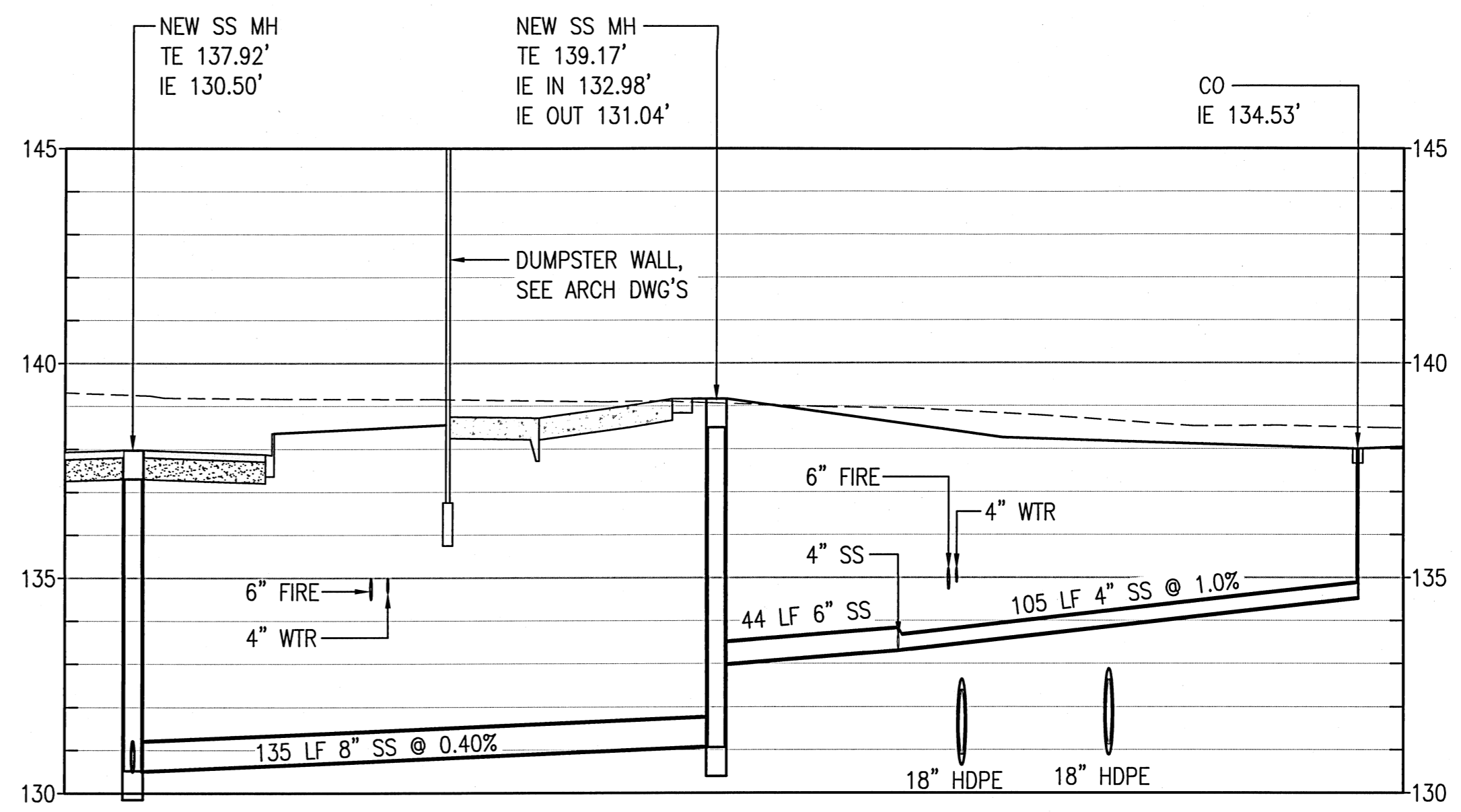
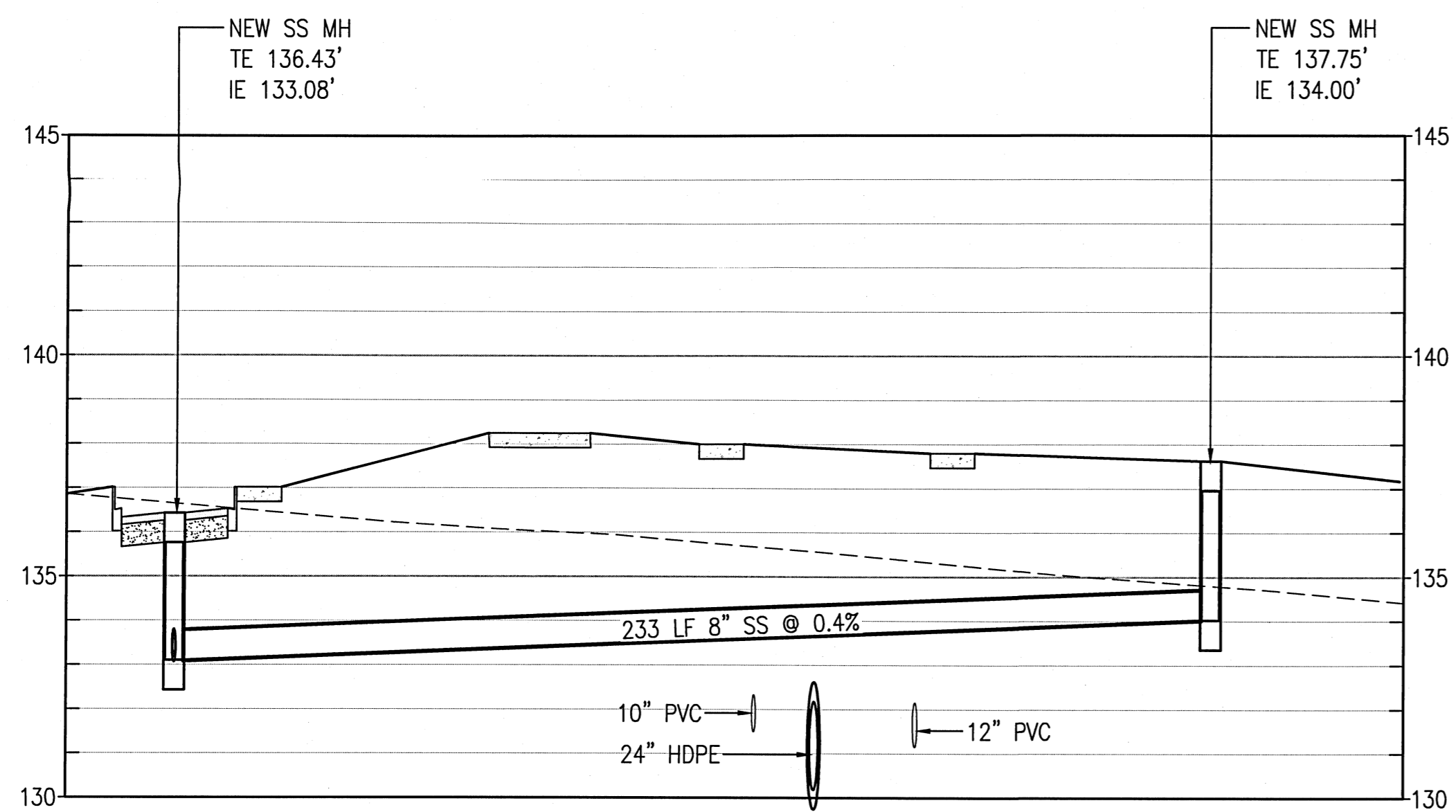
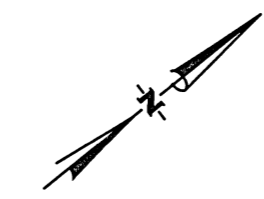
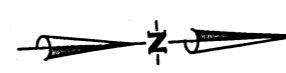
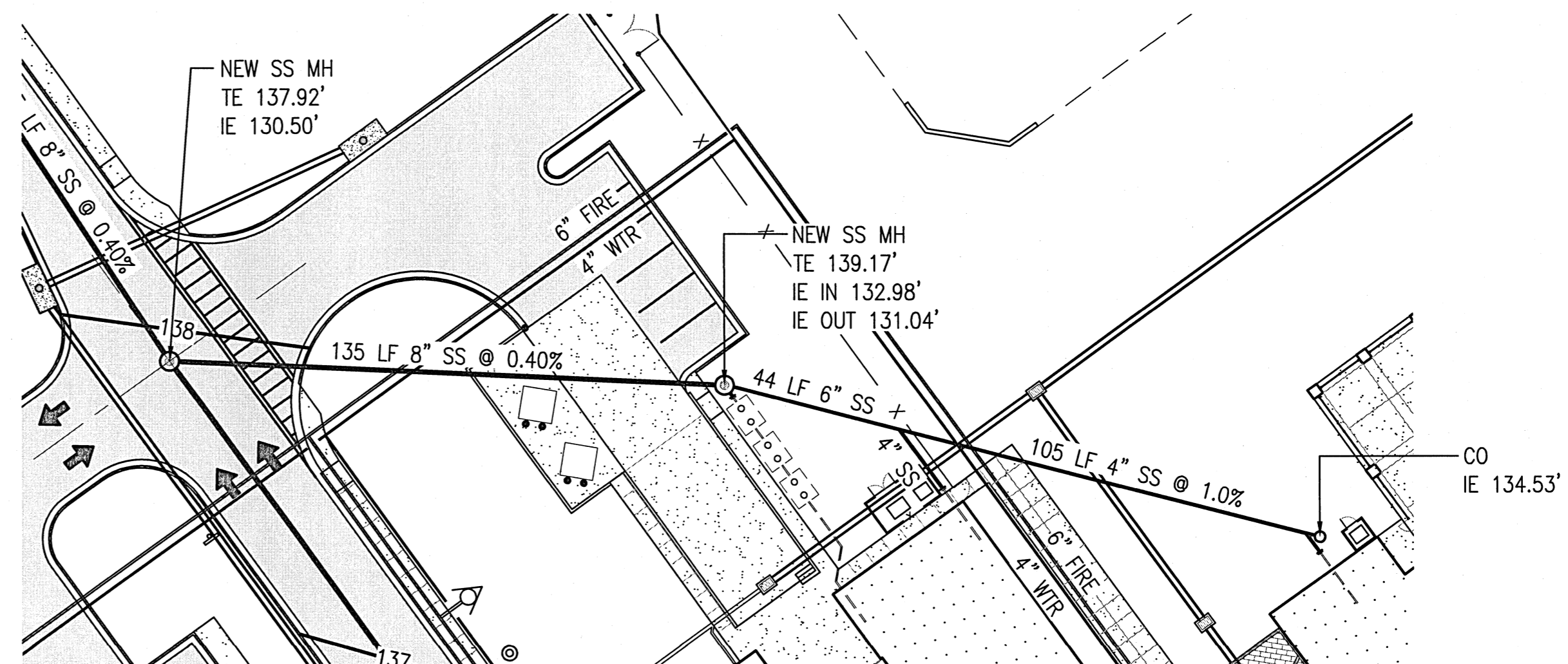
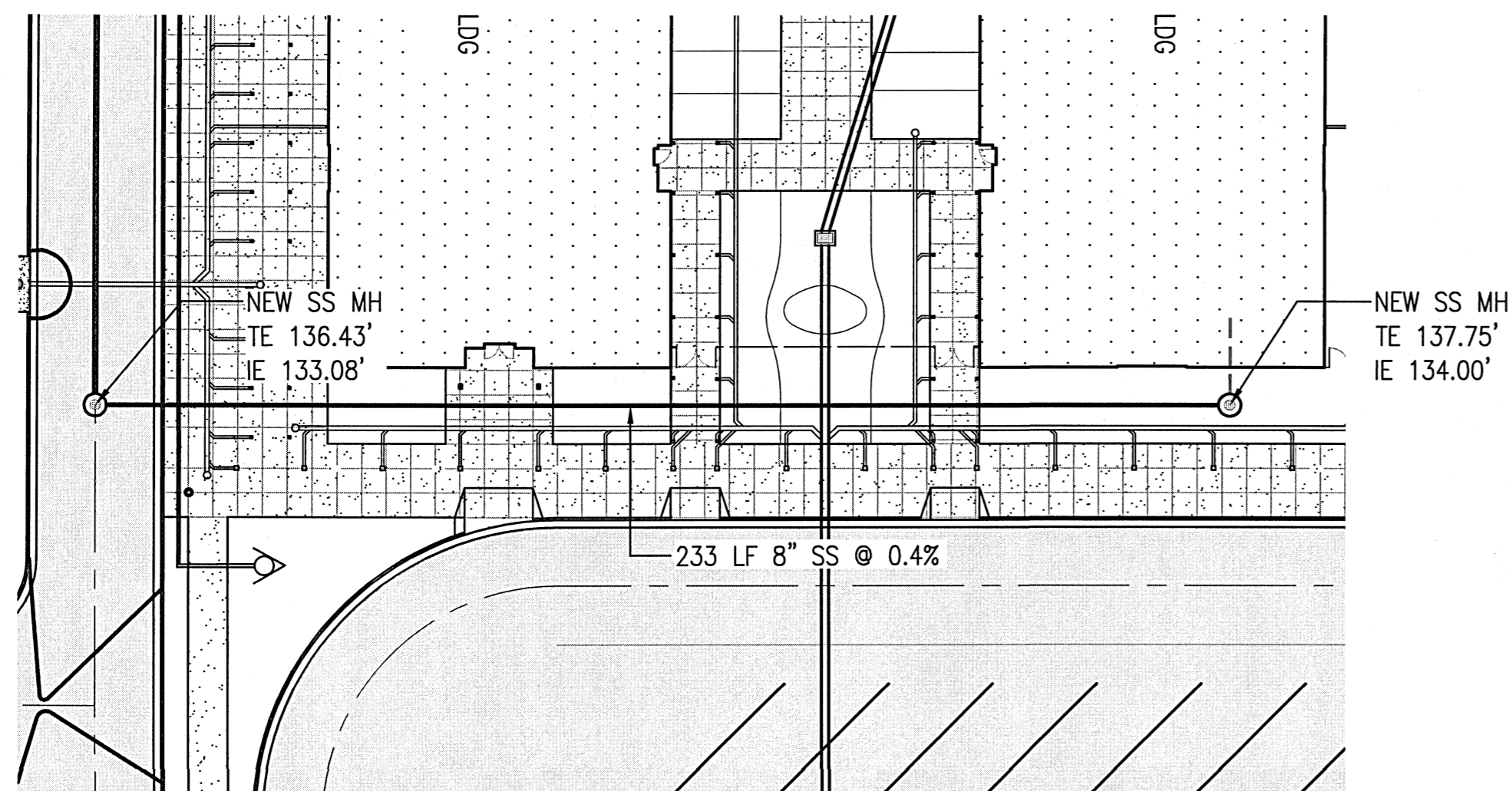
REVISIONS:


BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
 SANITARY PLAN  
 & PROFILE

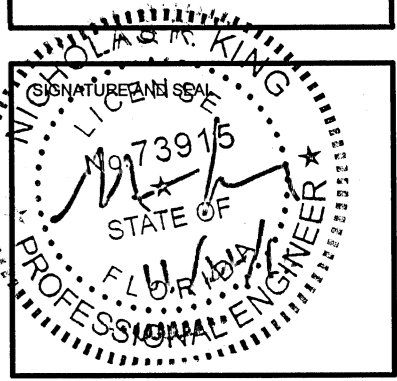
SHEET:  
 C-502

**KH&A** Kenneth Horne & Associates, Inc.  
 CIVIL ENGINEERS  
 PO BOX 10669, PENSACOLA, FLORIDA 32524  
 7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
 (850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

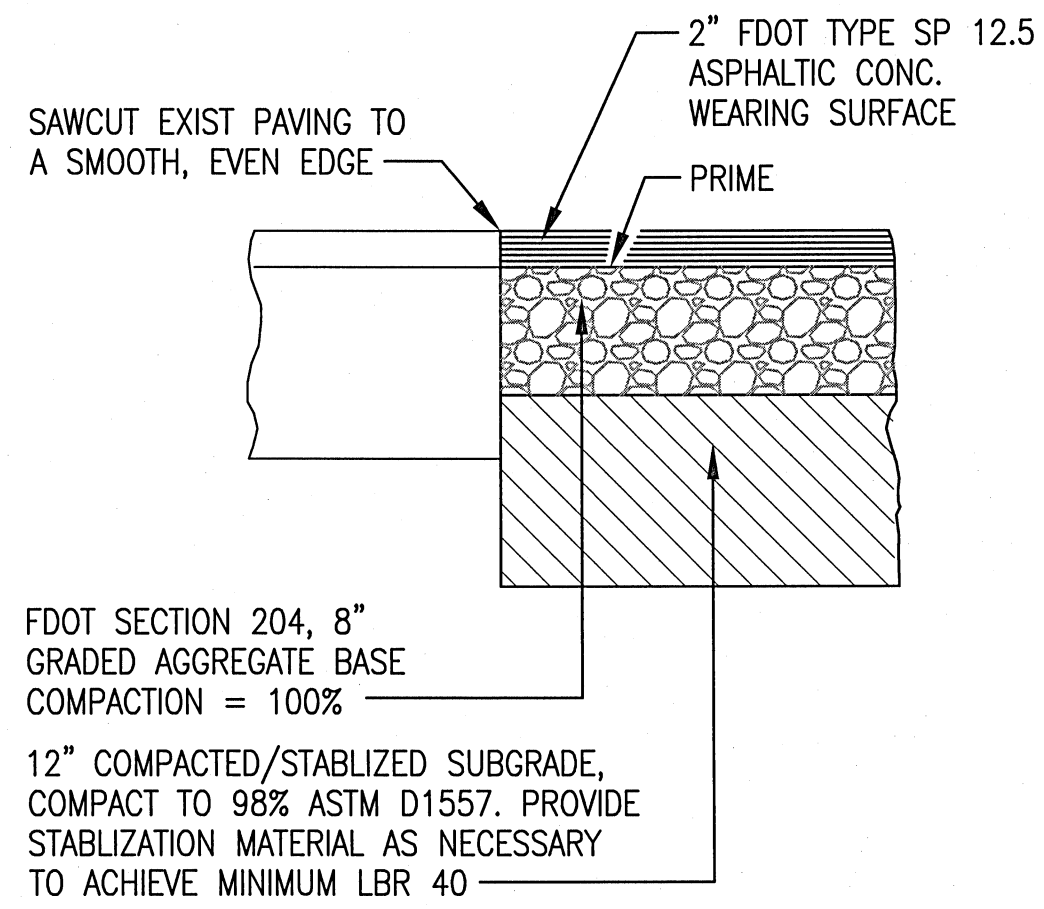


SEWER PROFILE  
1" = 30' HORIZ / 1" = 3' VERT

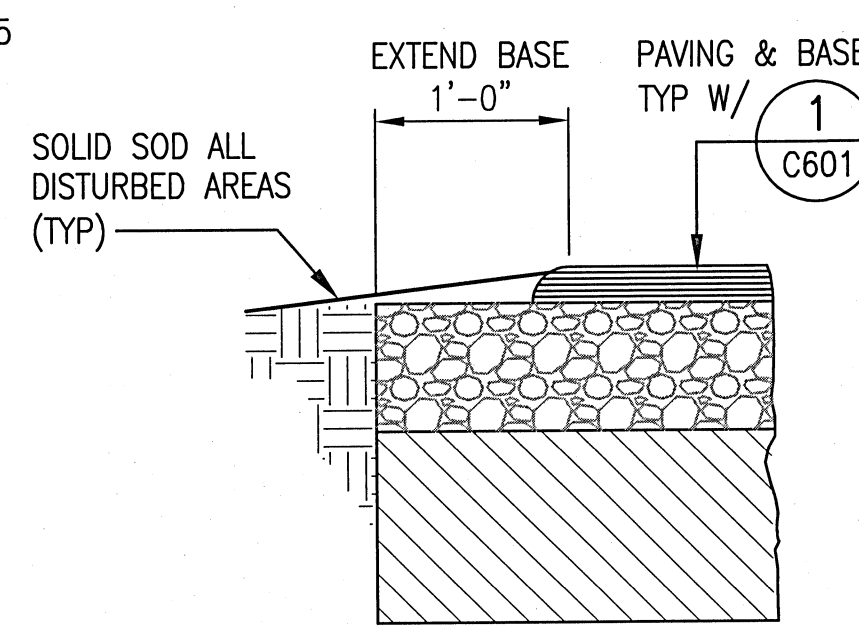
SEWER PROFILE  
1" = 30' HORIZ / 1" = 3' VERT



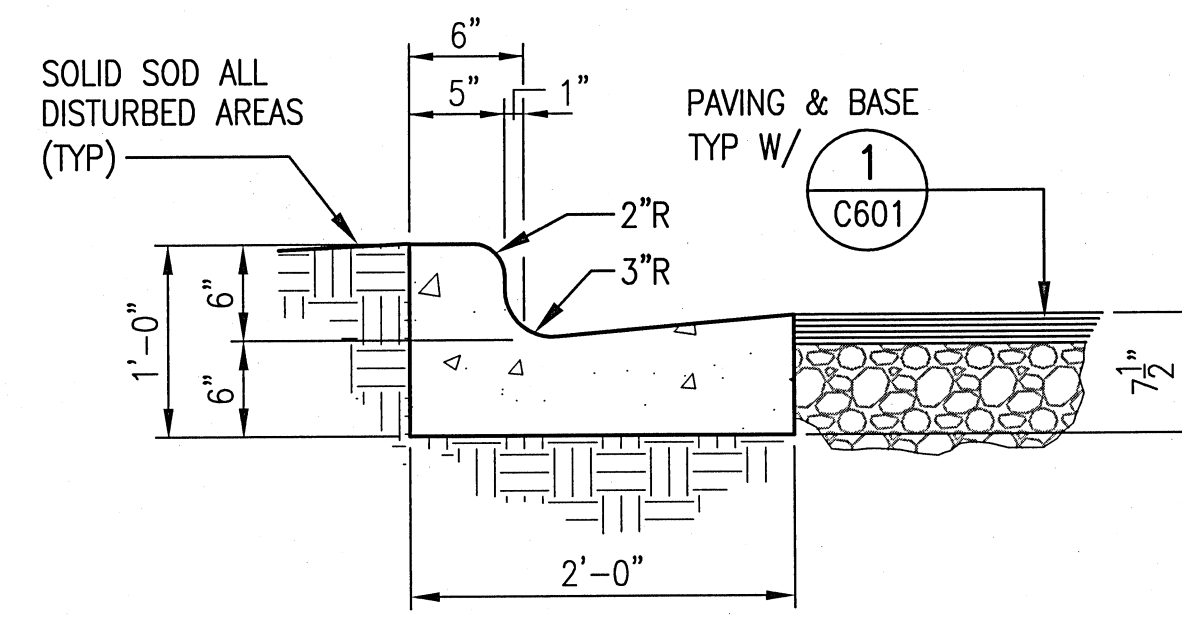
REVISIONS:

1 PAVING SECTION  
C601 NO SCALE

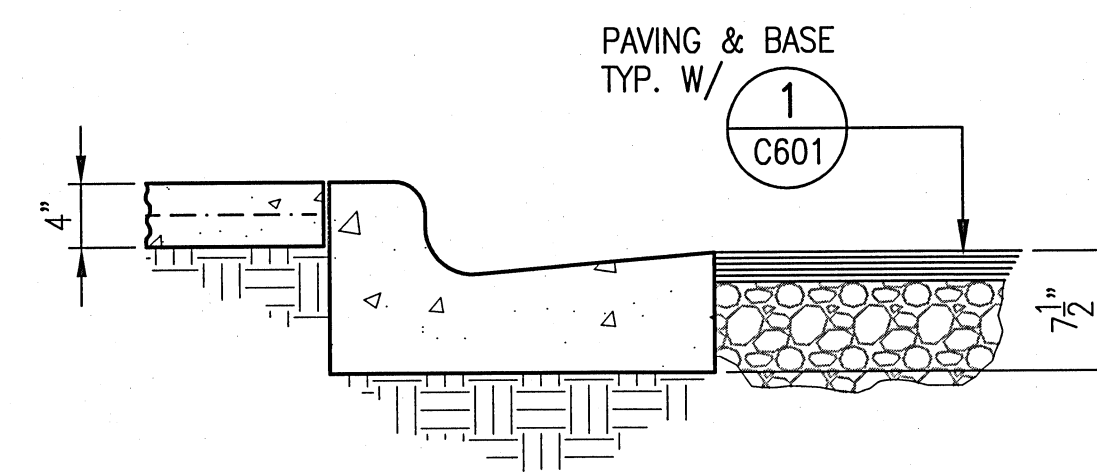


2 PAVING SECTION  
C601 NO SCALE

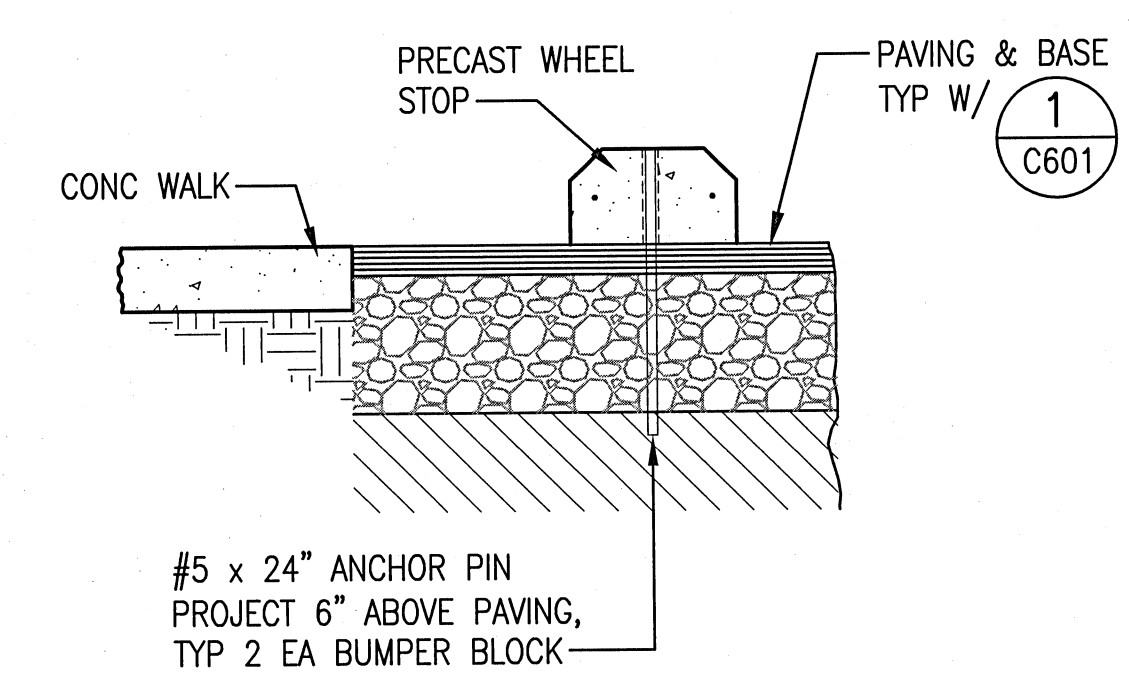


NOTE: WHEN USED ON THE HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF GUTTER SHALL MATCH THE CROSS OF ADJACENT PAVEMENT AND THE THICKNESS OF LIP SHALL BE 6", UNLESS SHOWN OTHERWISE ON THE PLANS

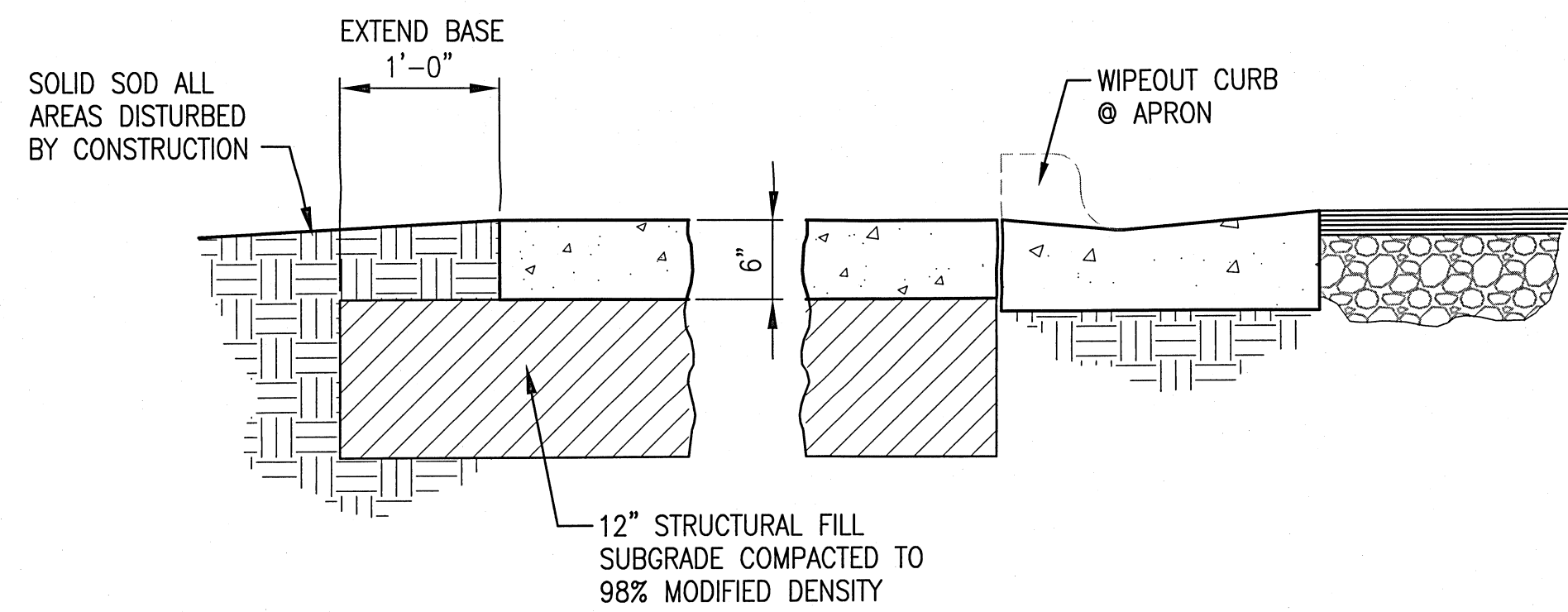
3 FDOT TYPE "F" CURB & GUTTER  
C601 NO SCALE



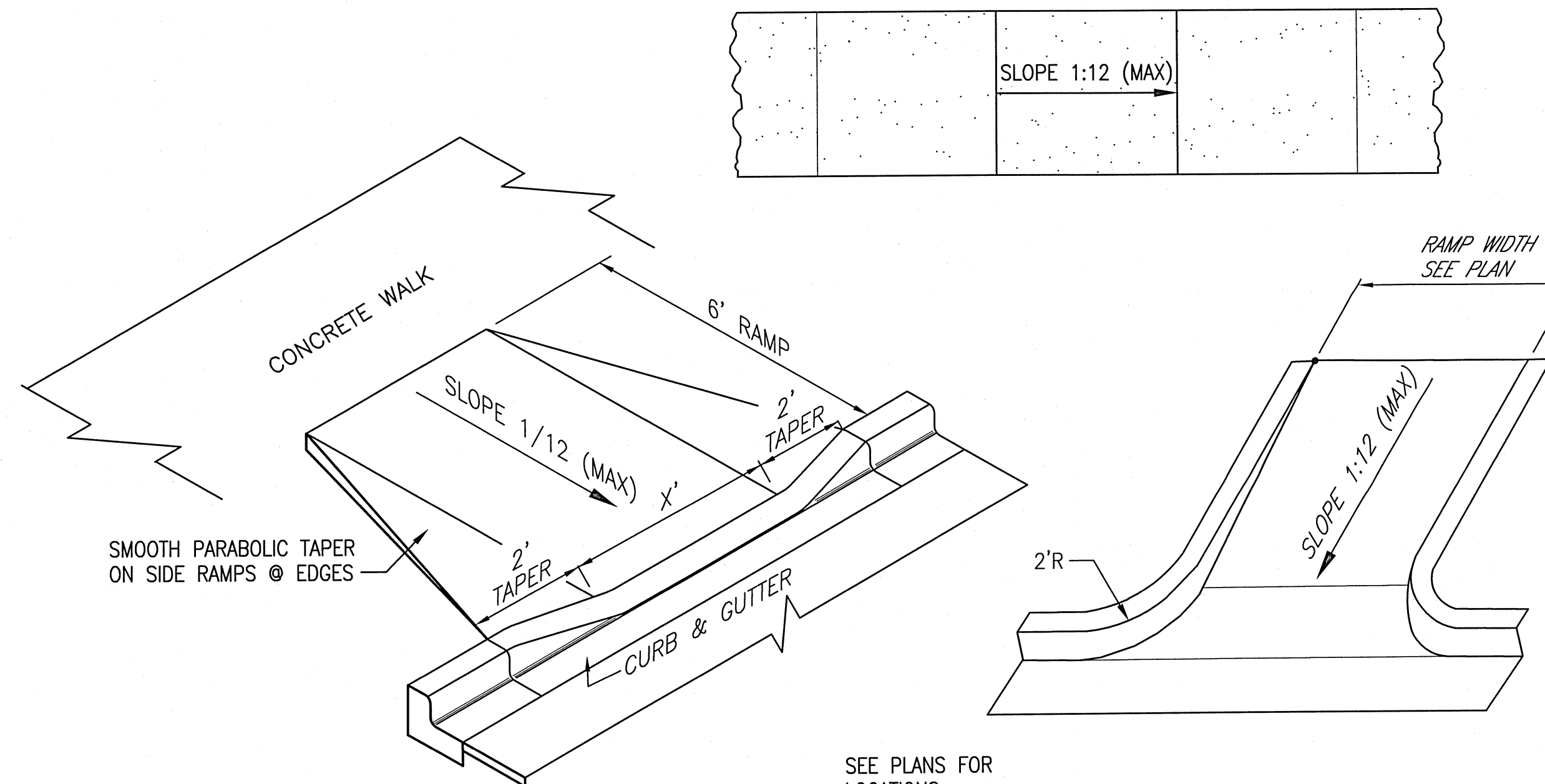
4 CURB & GUTTER @ CONC WALK  
C601 NO SCALE



5 HC PARKING SECTION  
C601 NO SCALE

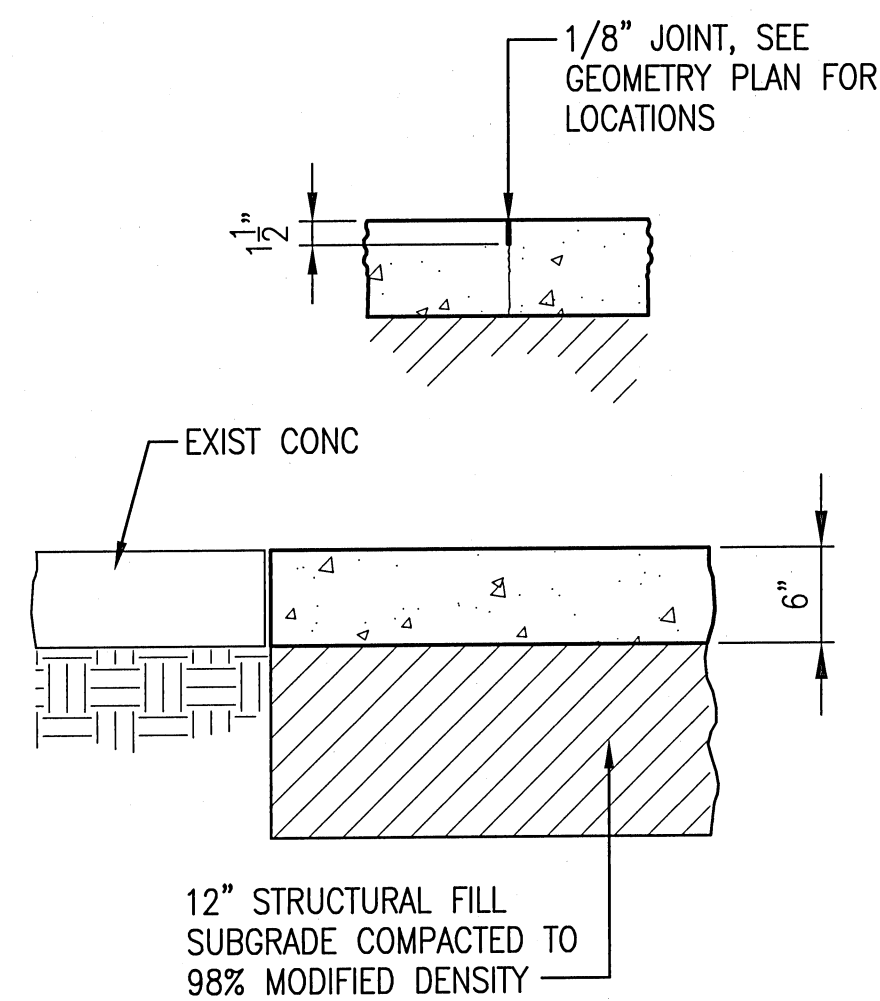


6 CONC APRON SECTION  
C601 NO SCALE

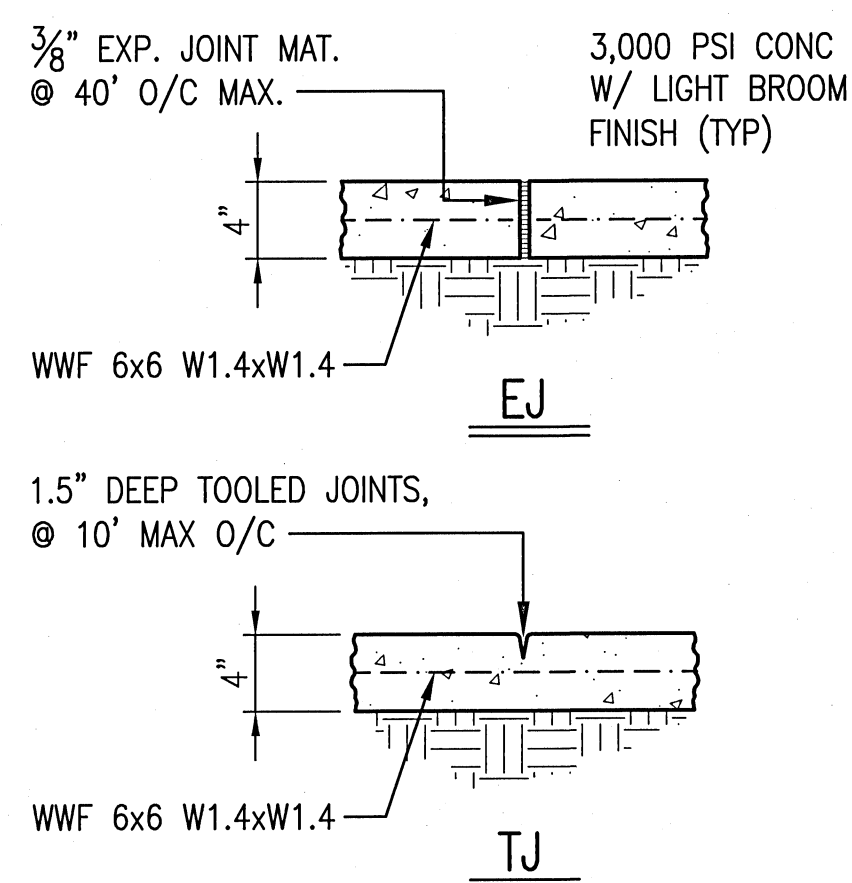


SEE PLANS FOR LOCATIONS

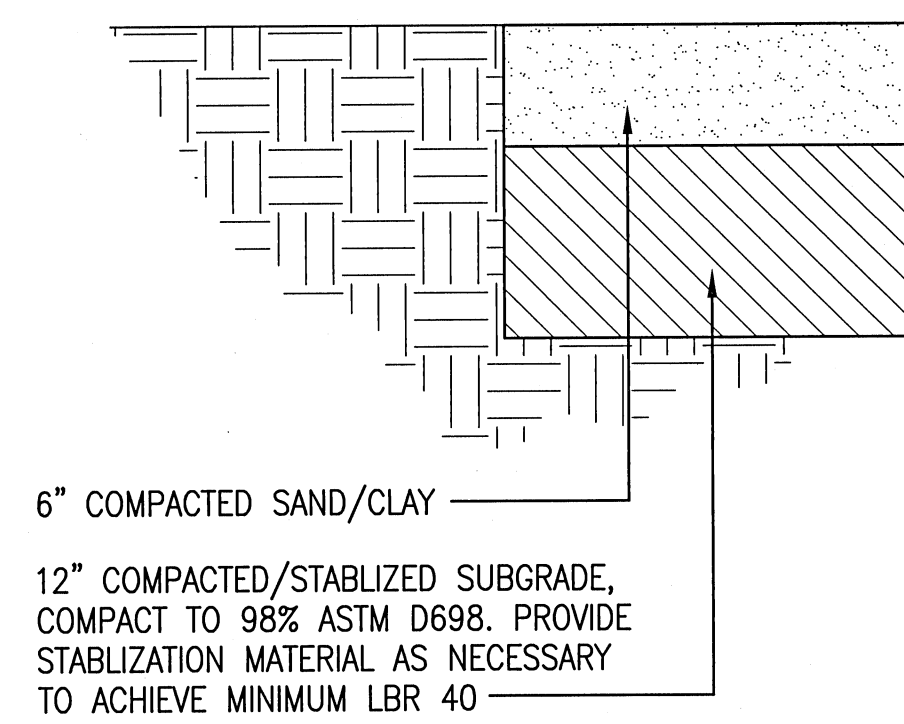
9 RAMP DETAILS  
C601 NO SCALE



7 CONC SECTION  
C601 NO SCALE

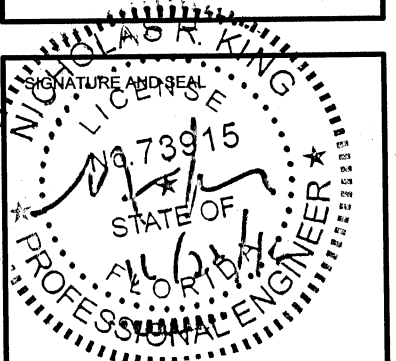


8 CONC WALK JOINT DETAILS  
C601 NO SCALE



ADDITIVE ALTERNATE #5

10 CLAY TRACK SECTION  
C601 NO SCALE



REVISIONS	
2	REV 1 - 10/2/15

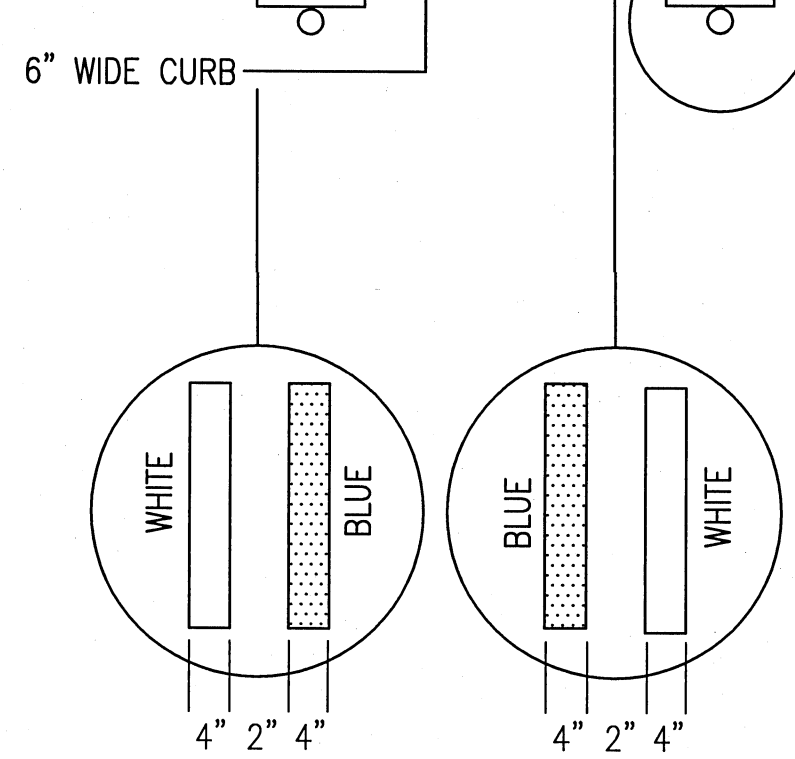
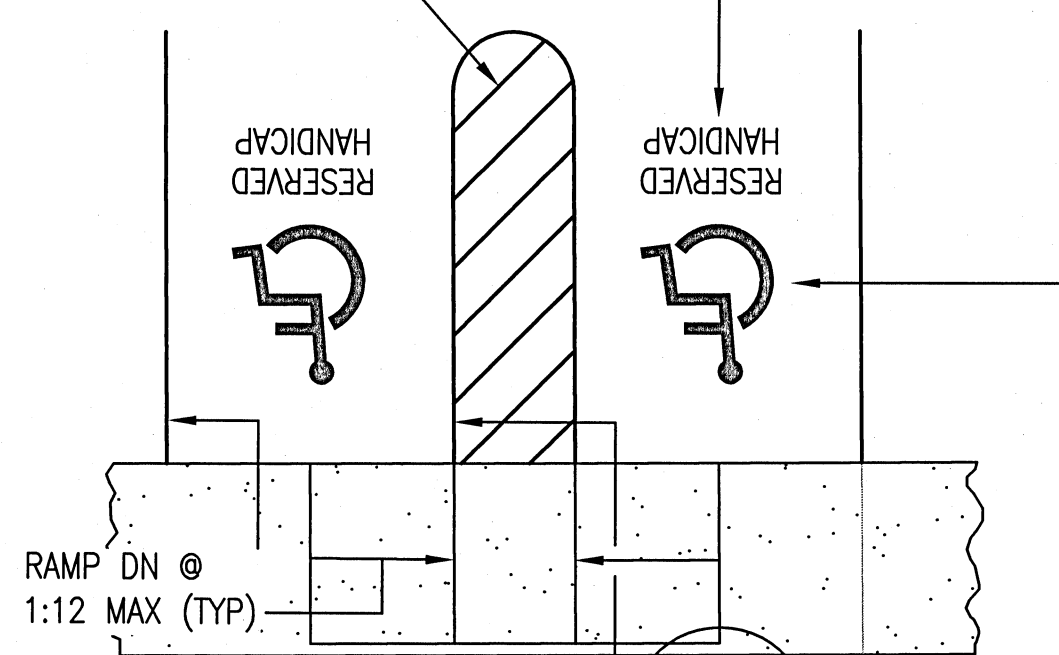
BTA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
SECTIONS & DETAILS

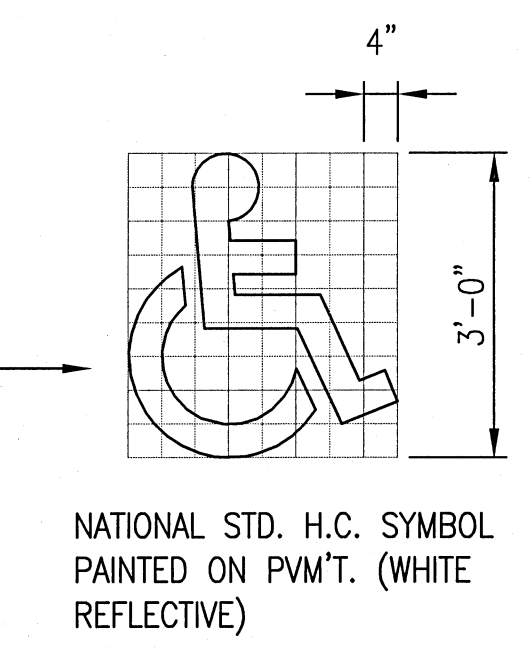
SHEET:  
C-601

4" PAINTED STRIPING @ 12" O.C. & @ 45° (WHITE REFLECTIVE)

12" HIGH LETTERS PAINTED ON PVM'T. (WHITE REFLECTIVE)



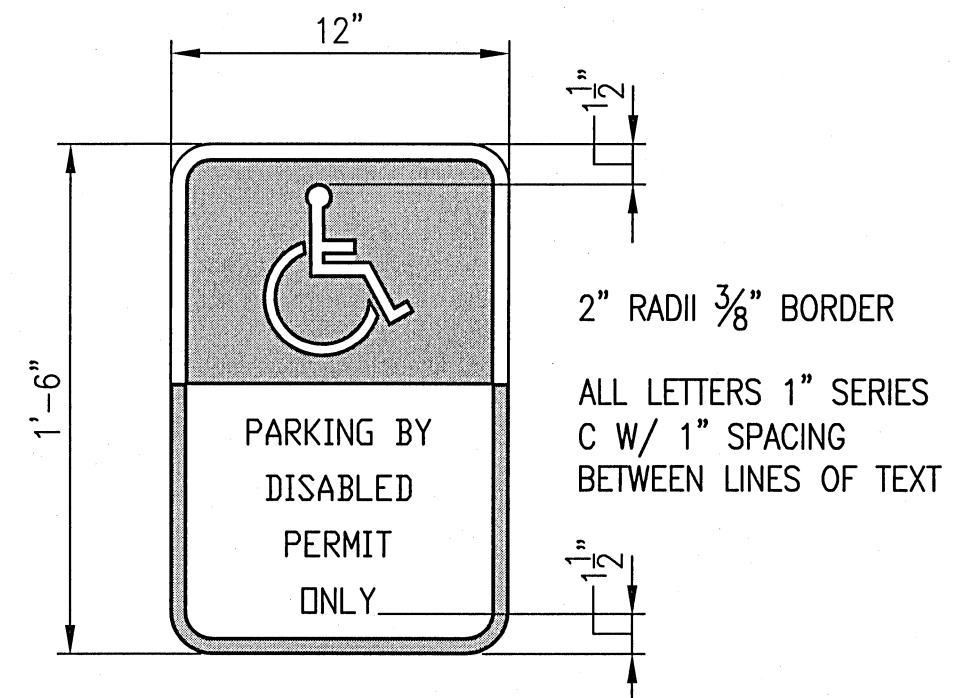
NOTE: ALL OTHER PARKING SPACES TO BE MARKED W/ WHITE STRIPING (4" WIDE)



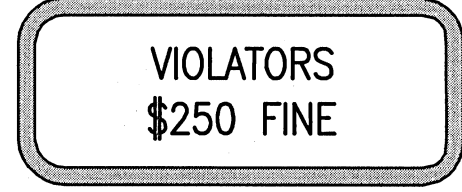
HANDICAP SIGN POST FOUNDATION

FOR STALL DIMENSIONS, SEE SITE GEOMETRY PLAN  
FOR ELEVATIONS SEE SITE GRADING PLAN

1 HC PLAN & DETAILS  
C602 NO SCALE

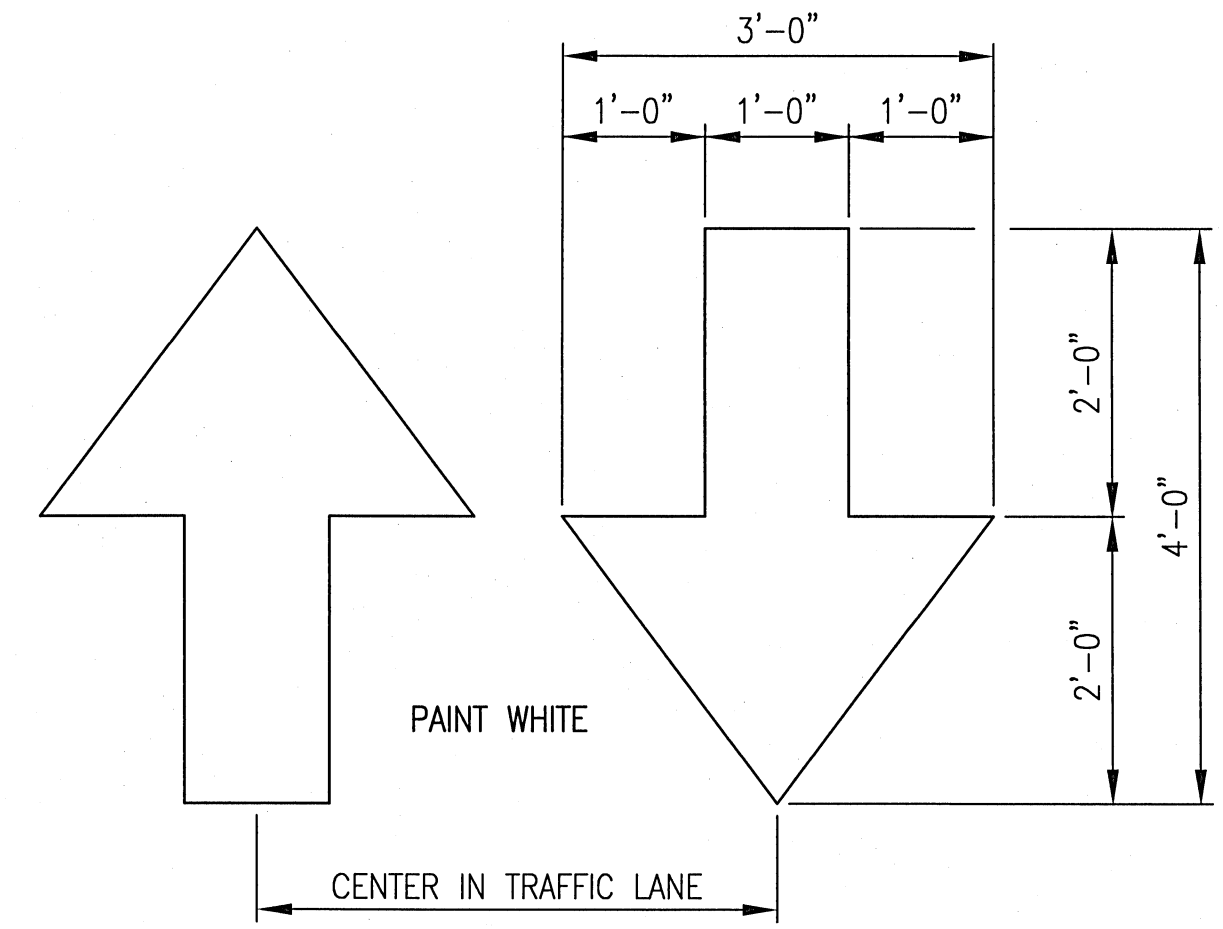


NOTE: SIGN SHALL BE PER FDOT FTP 20-06, POST & MOUNTING SHALL BE PER FDOT REQUIREMENTS  
SIGNS USED AS PER FLORIDA STATUTES

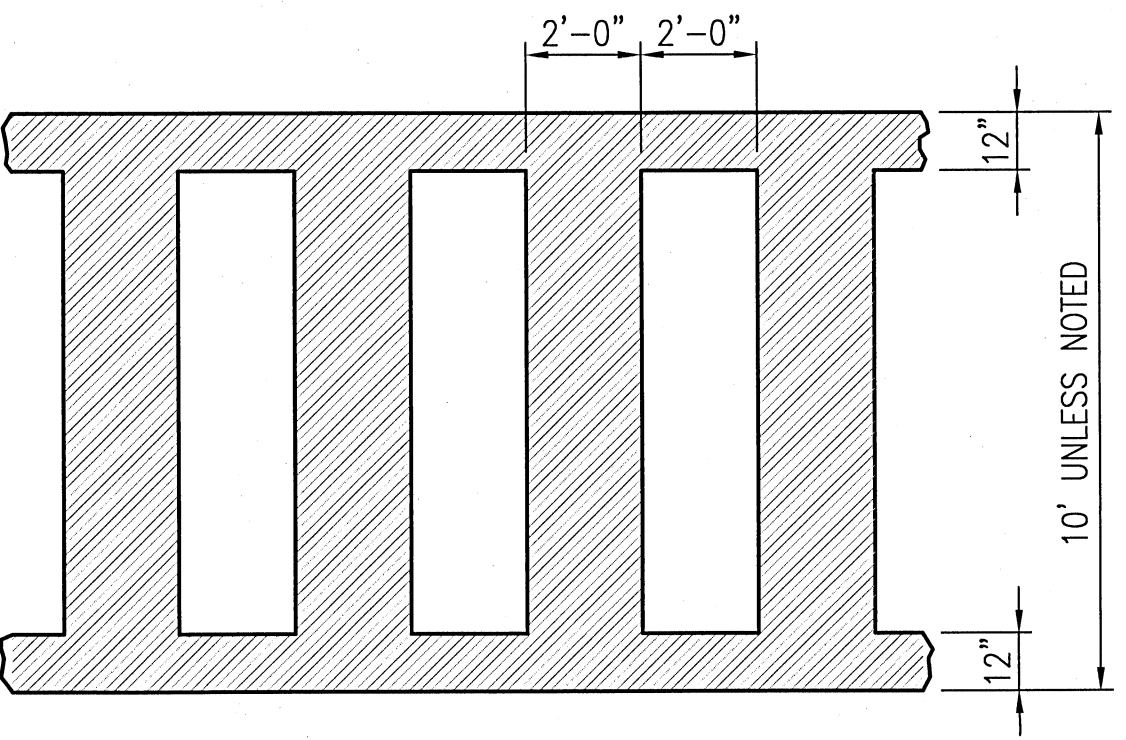


NOTES:  
1. TOP PORTION OF SIGN SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.  
2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.  
3. SIGN MAY BE FABRICATED ON ONE PANEL OR TWO.  
4. SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT. (7' FROM PAVEMENT TO BOTTOM OF SIGN).

HANDICAP PARKING SIGN DETAIL

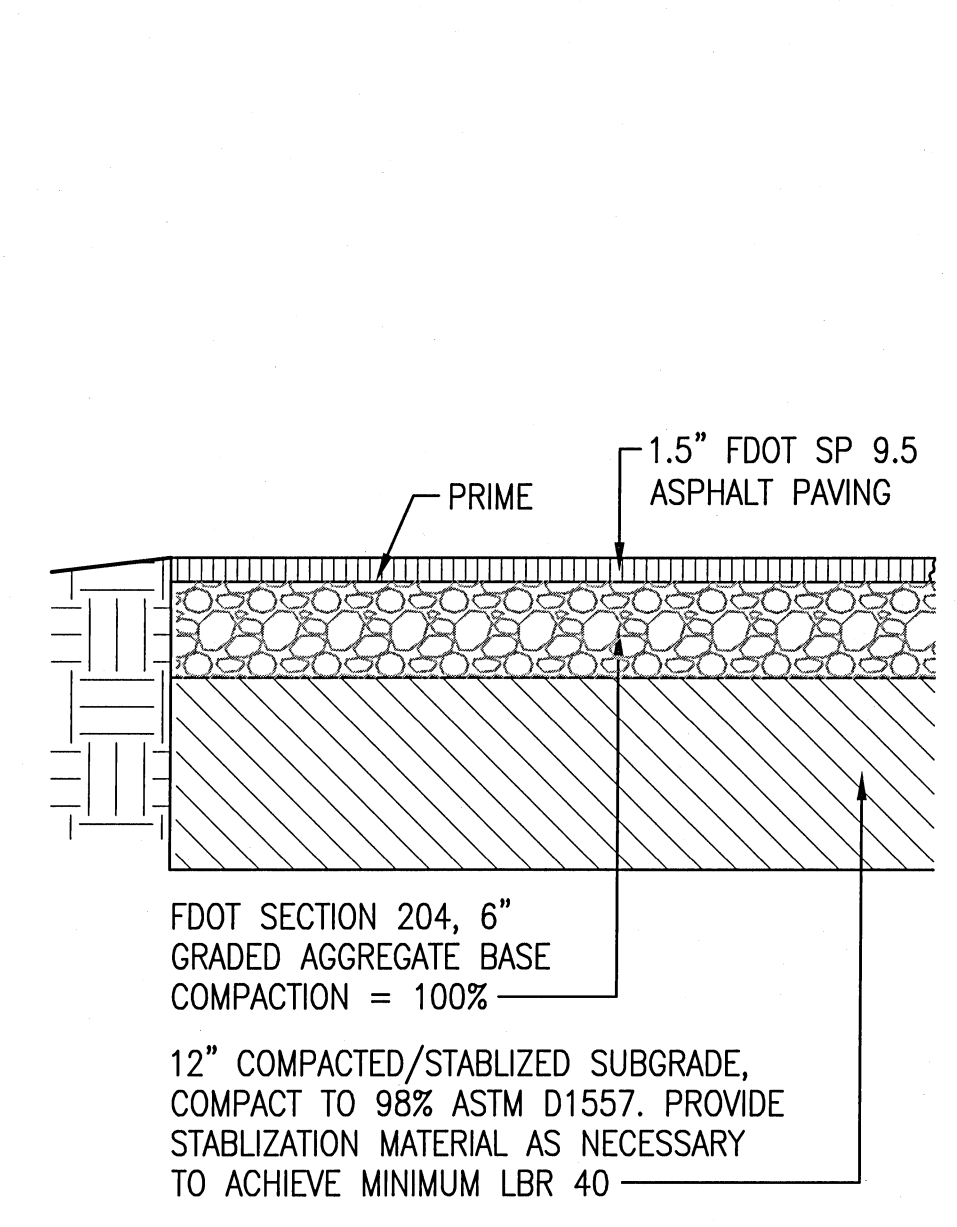


2 PAINTED DIRECTIONAL ARROWS  
C602 NO SCALE



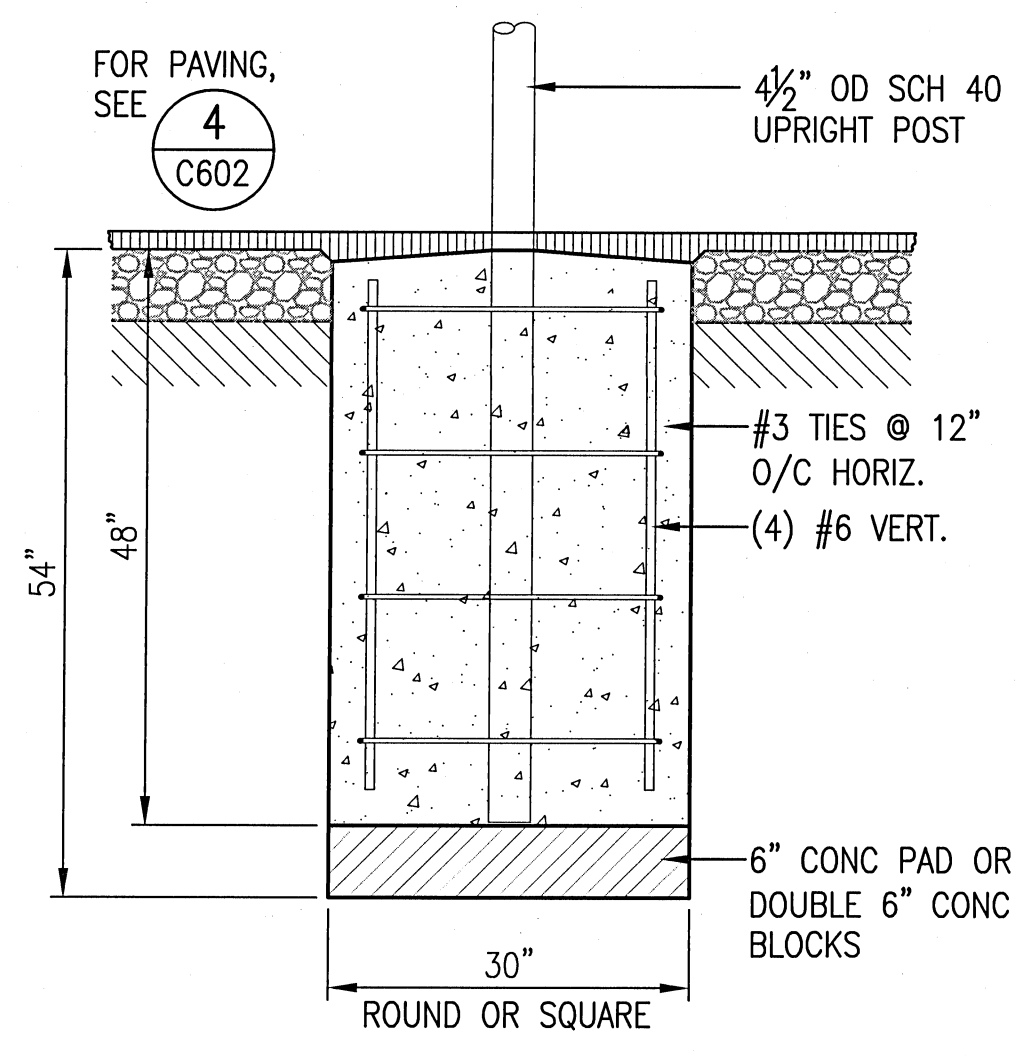
ALL STRIPING SHALL BE WHITE REFLECTIVE PAINT

3 CROSSWALK PLAN  
C602 NO SCALE

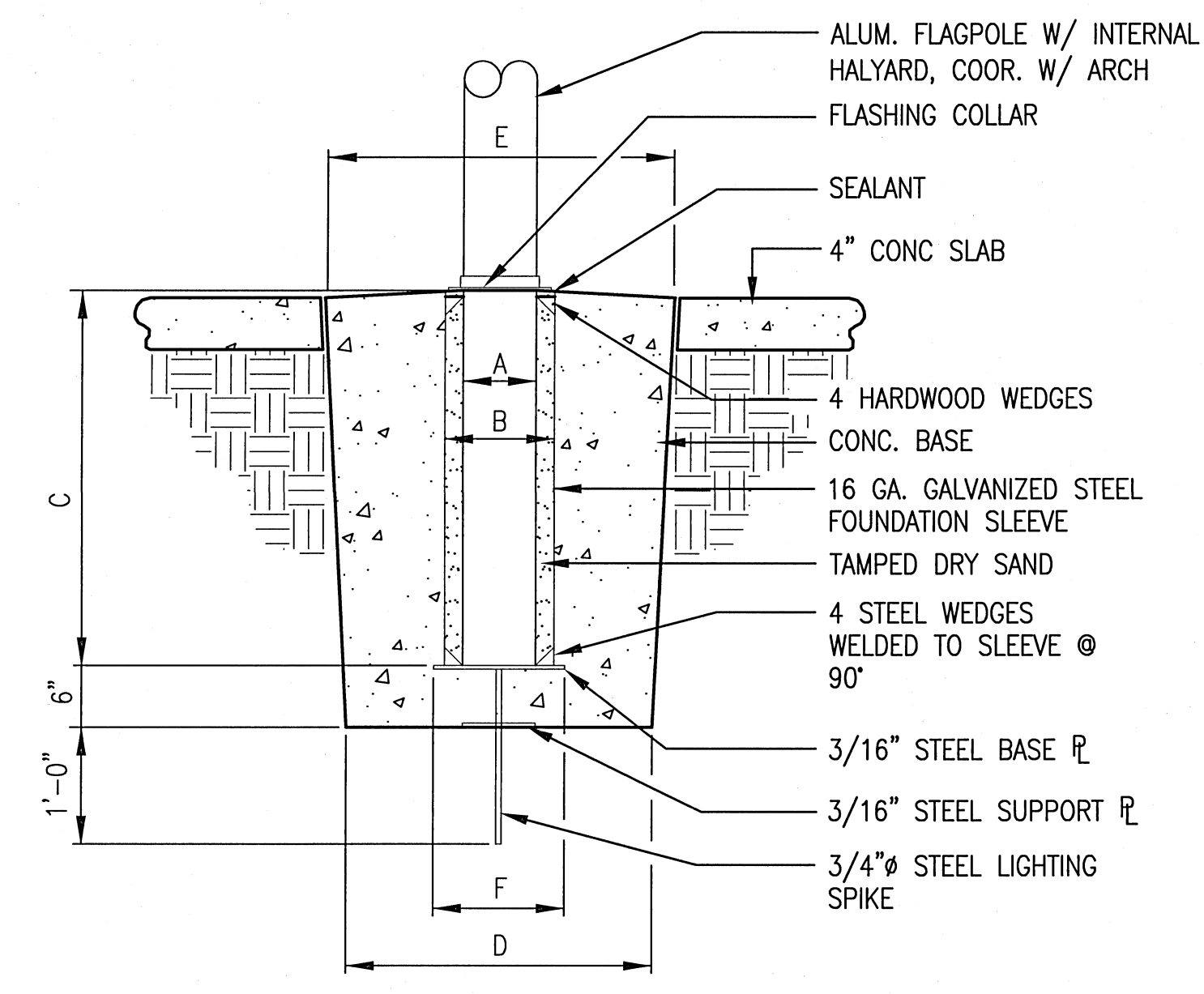


STRIPE ASPHALT W/ 2" WHITE PAINT MEETING FHSA REQUIREMENTS, SEE SPECIFICATIONS

4 BASKETBALL COURT PAVING SECTION  
C602 NO SCALE



5 BASKETBALL GOAL FOUNDATION  
C602 NO SCALE



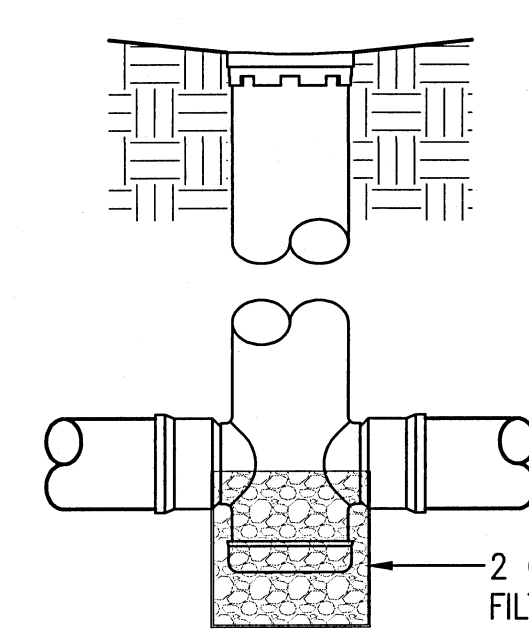
	A	B	C	D	E	F
20' POLE	5"	8"	24"	24"	30"	12"
30' POLE	6"	10"	36"	30"	36"	14"
35' POLE	7"	12"	42"	36"	42"	16"

NOTE: REMOVE FLAG FROM POLE WHEN WIND IS EXPECTED TO EXCEED 75 MPH

CONFIRM POLE SELECTION W/ OWNER PRIOR TO ORDERING & INSTALLATION

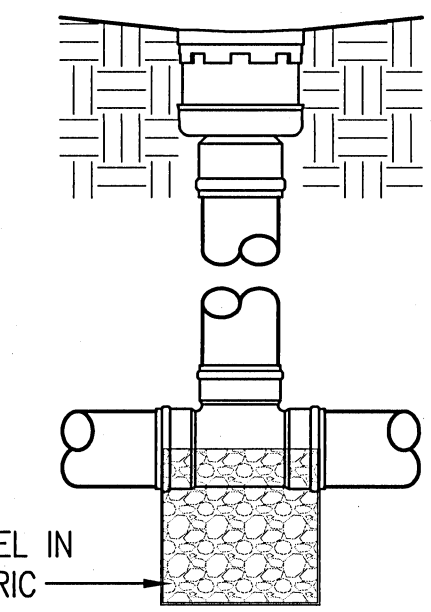
6 FLAG POLE FOUNDATION  
C602 NO SCALE

SEE LANDSCAPE DWG'S FOR GRADE MATERIAL (TYP)

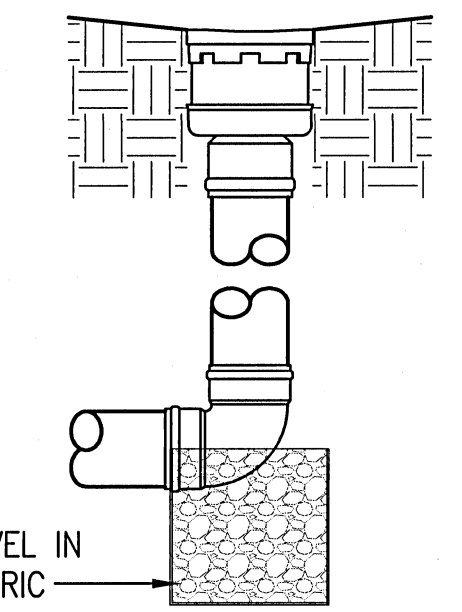


DRAIN BASIN

ALL DRAINS TO BE "NYLOPLAST" W/ PEDESTRIAN H-10 RATED GRATES OR APPROVED EQUAL



INLINE DRAIN TEE



INLINE DRAIN 90° ELL

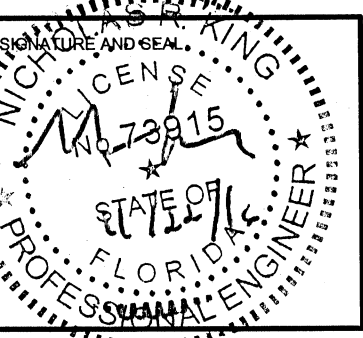
7 "NYLOPLAST" DRAIN DETAILS  
C602 NO SCALE

**KH&A** Kenneth Horne & Associates, Inc.  
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AAC000174  
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Fax: 850-432-5208  
Phone: 850-434-5444

FAST TRACK CIVIL FOR CONSTRUCTION SET  
12 SEPT 2016



KINGSFIELD ELEMENTARY SCHOOL - P3

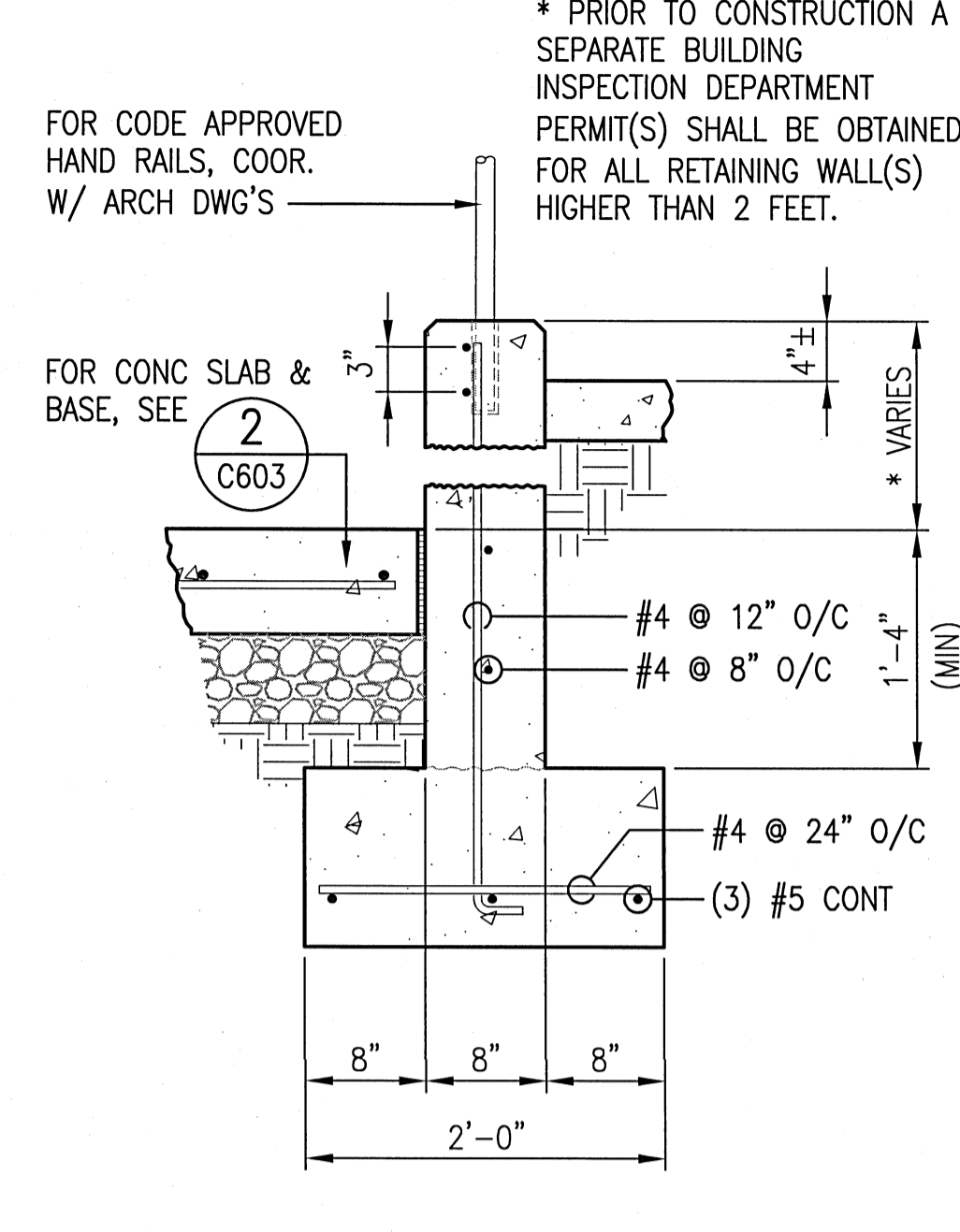
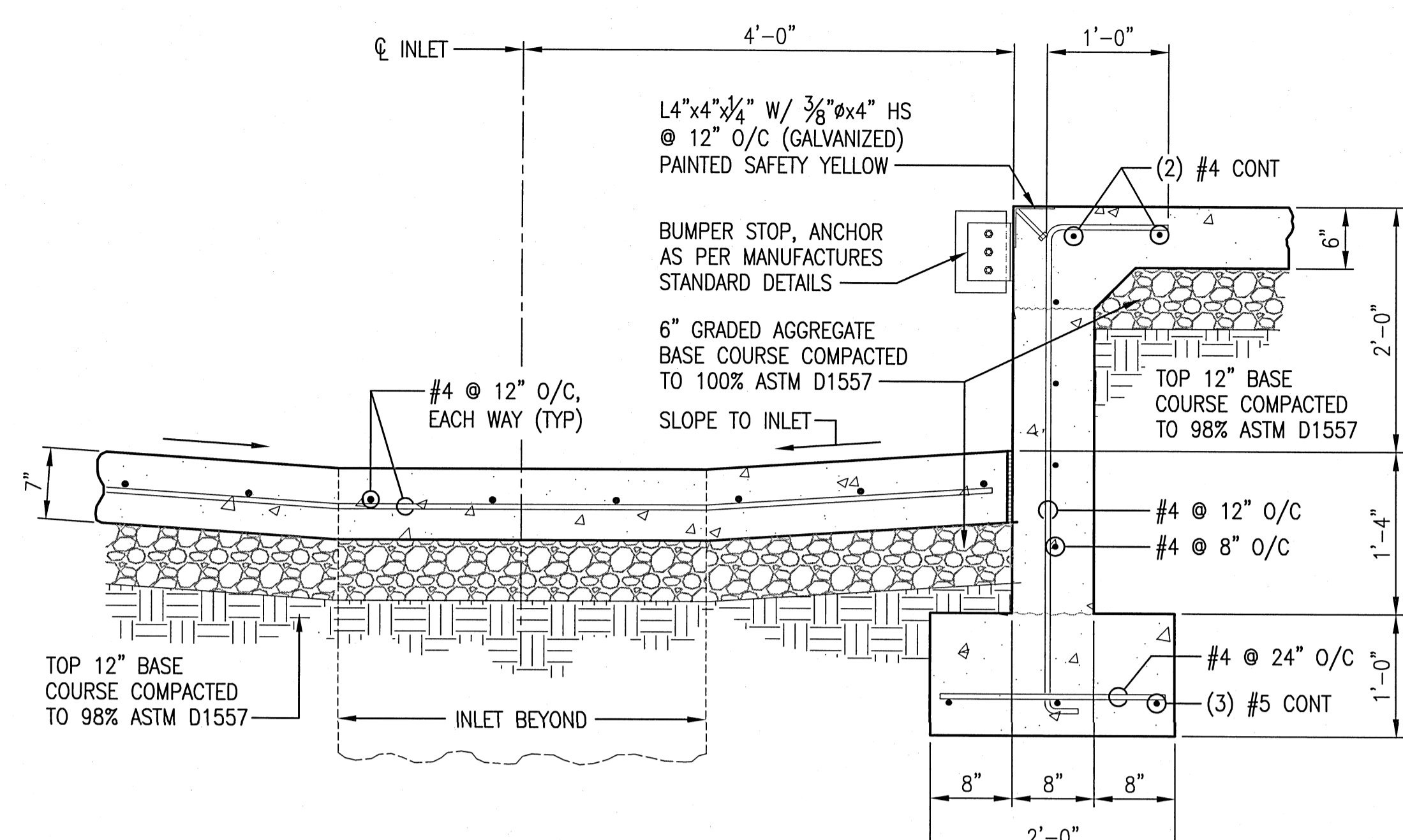
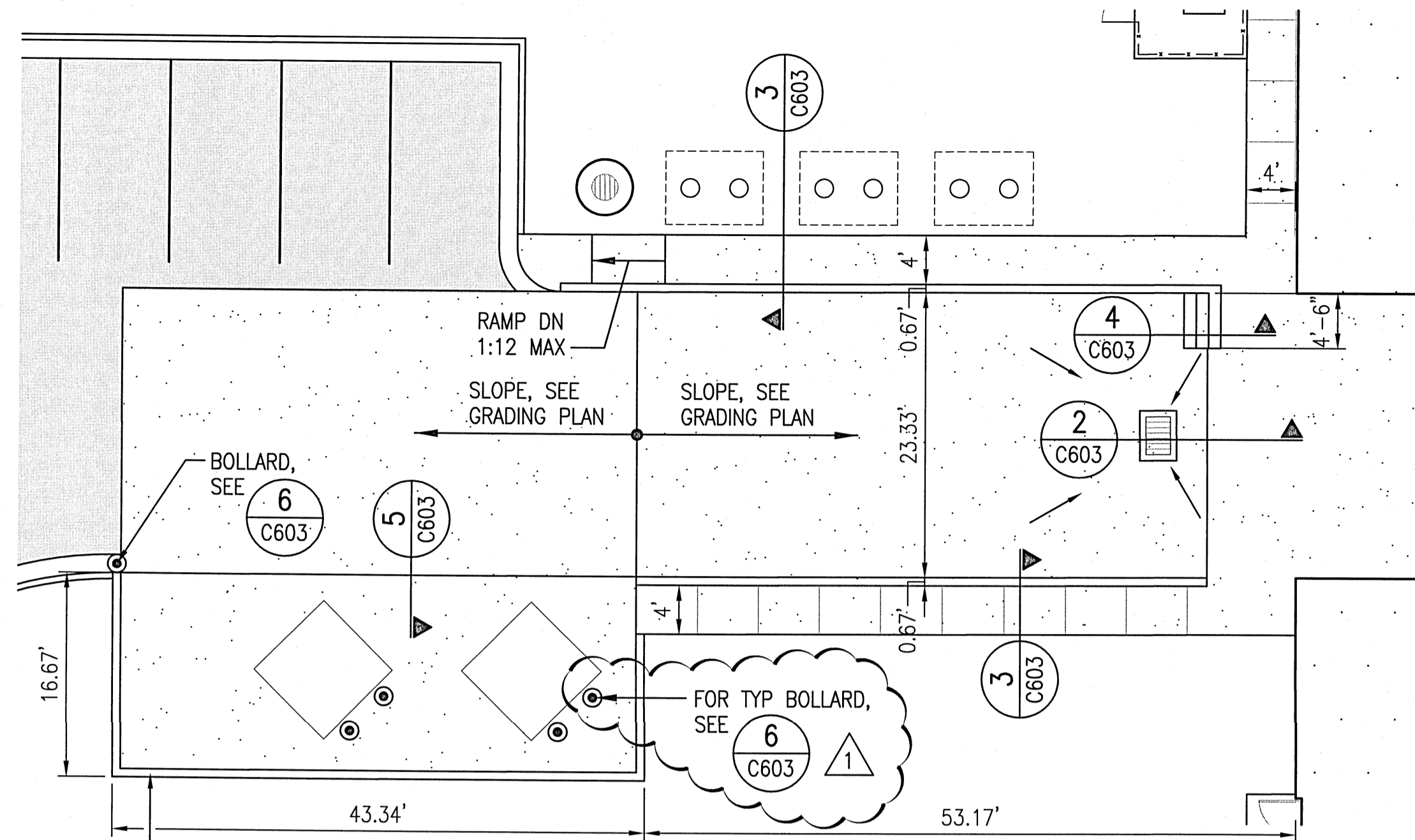
900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:


BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
SECTIONS & DETAILS

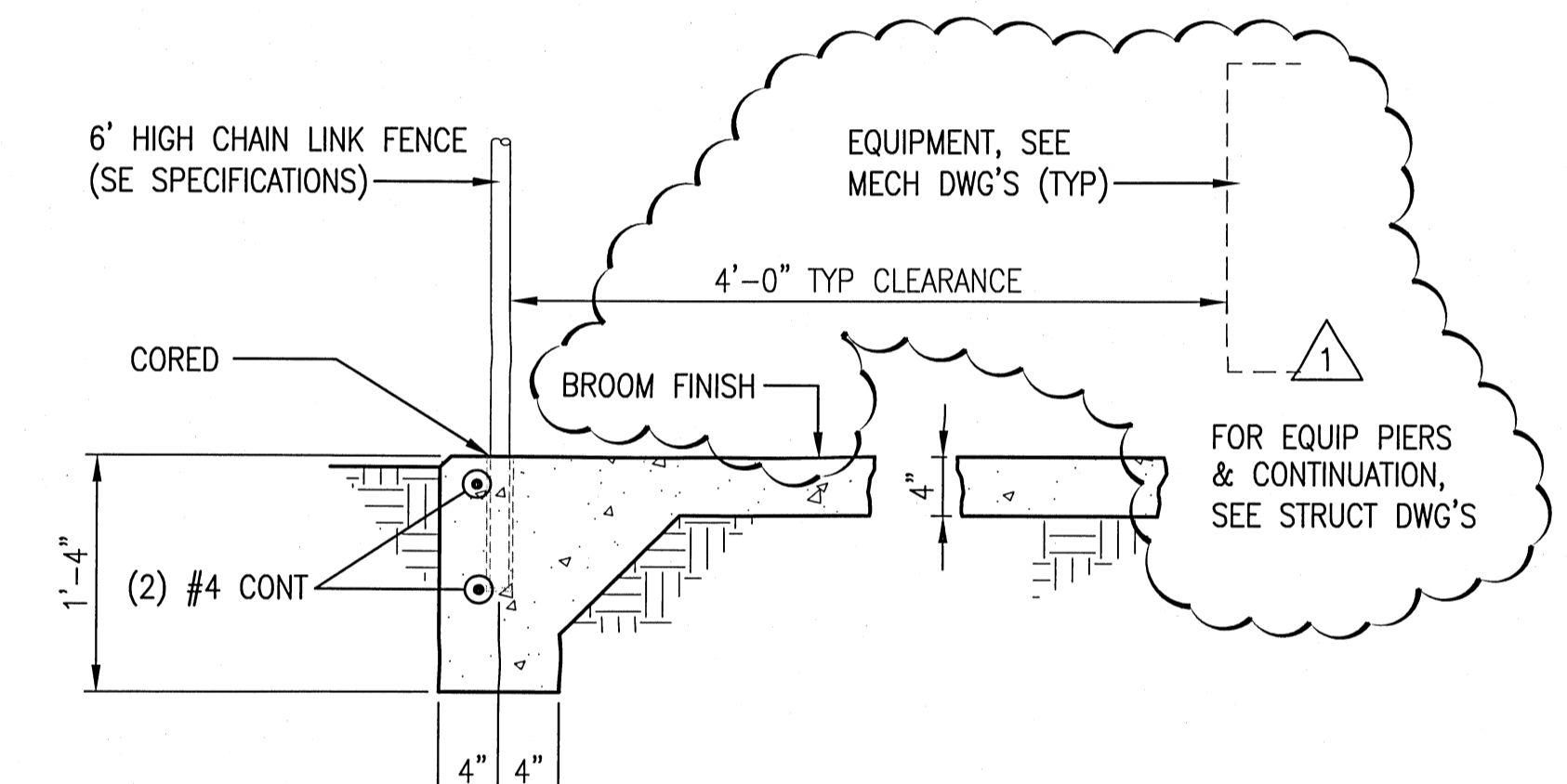
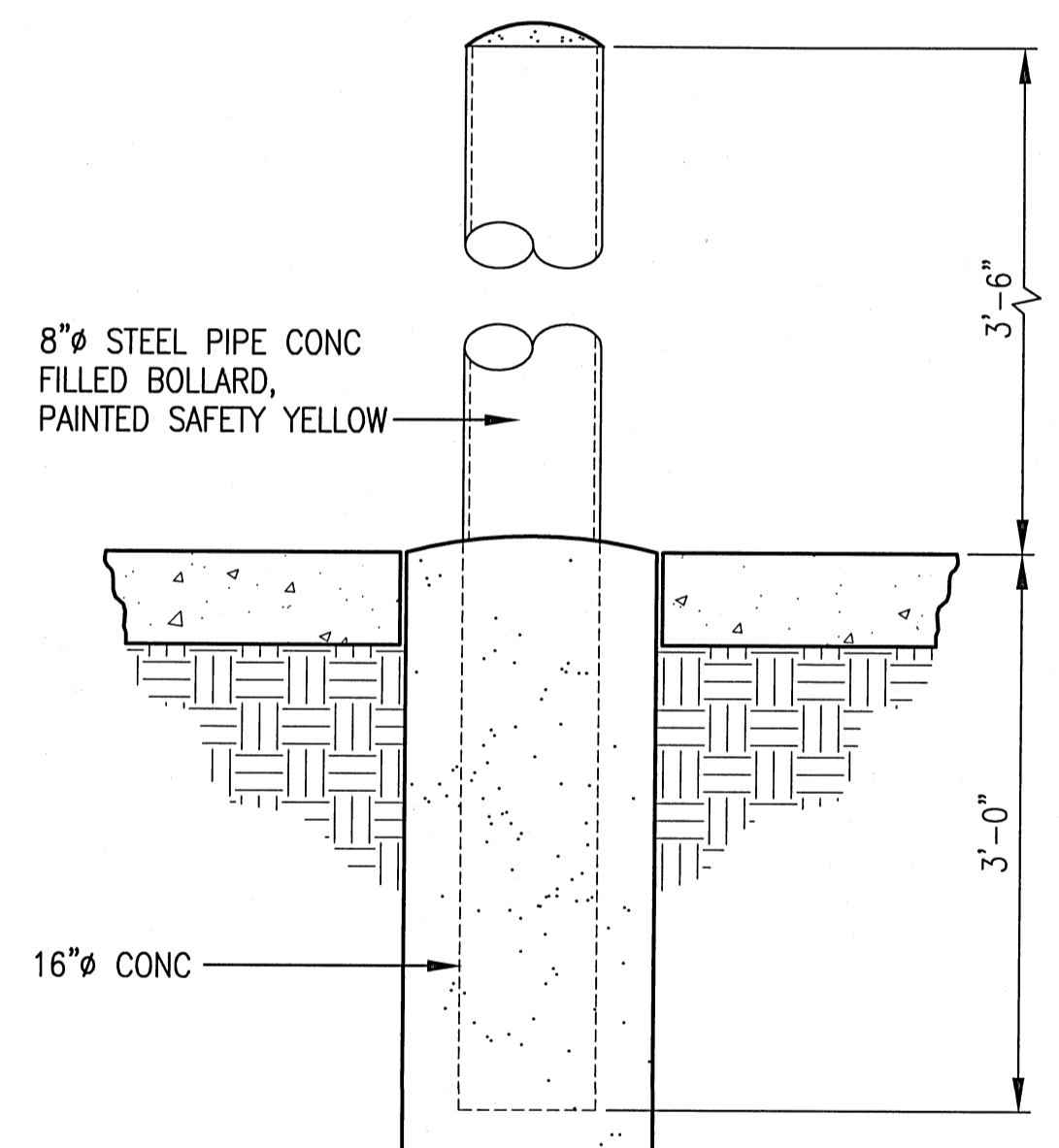
SHEET:  
C-602



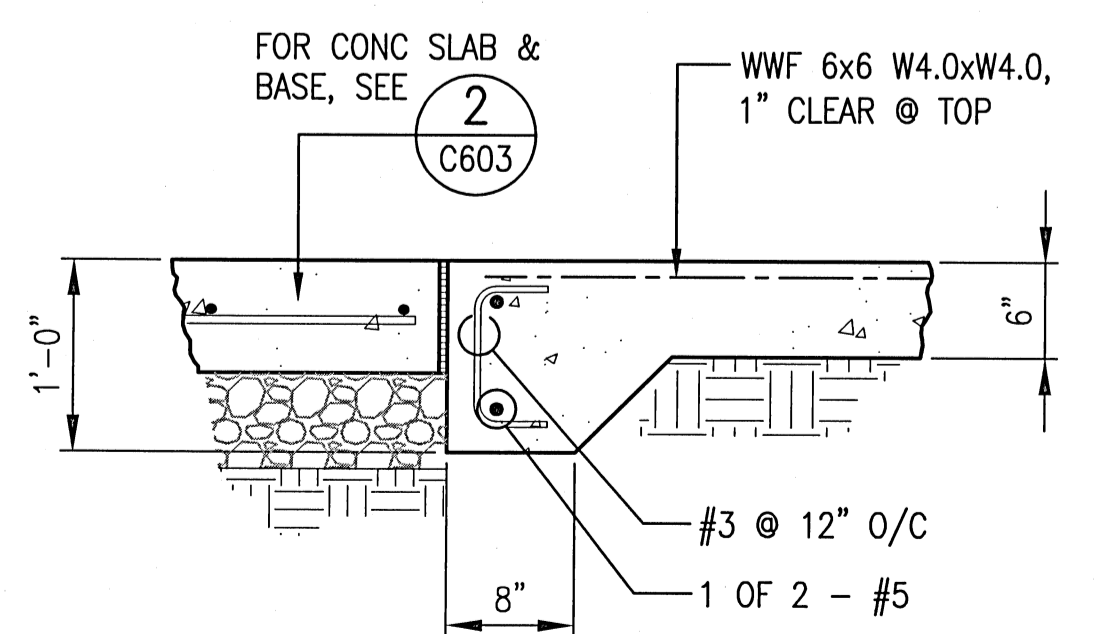
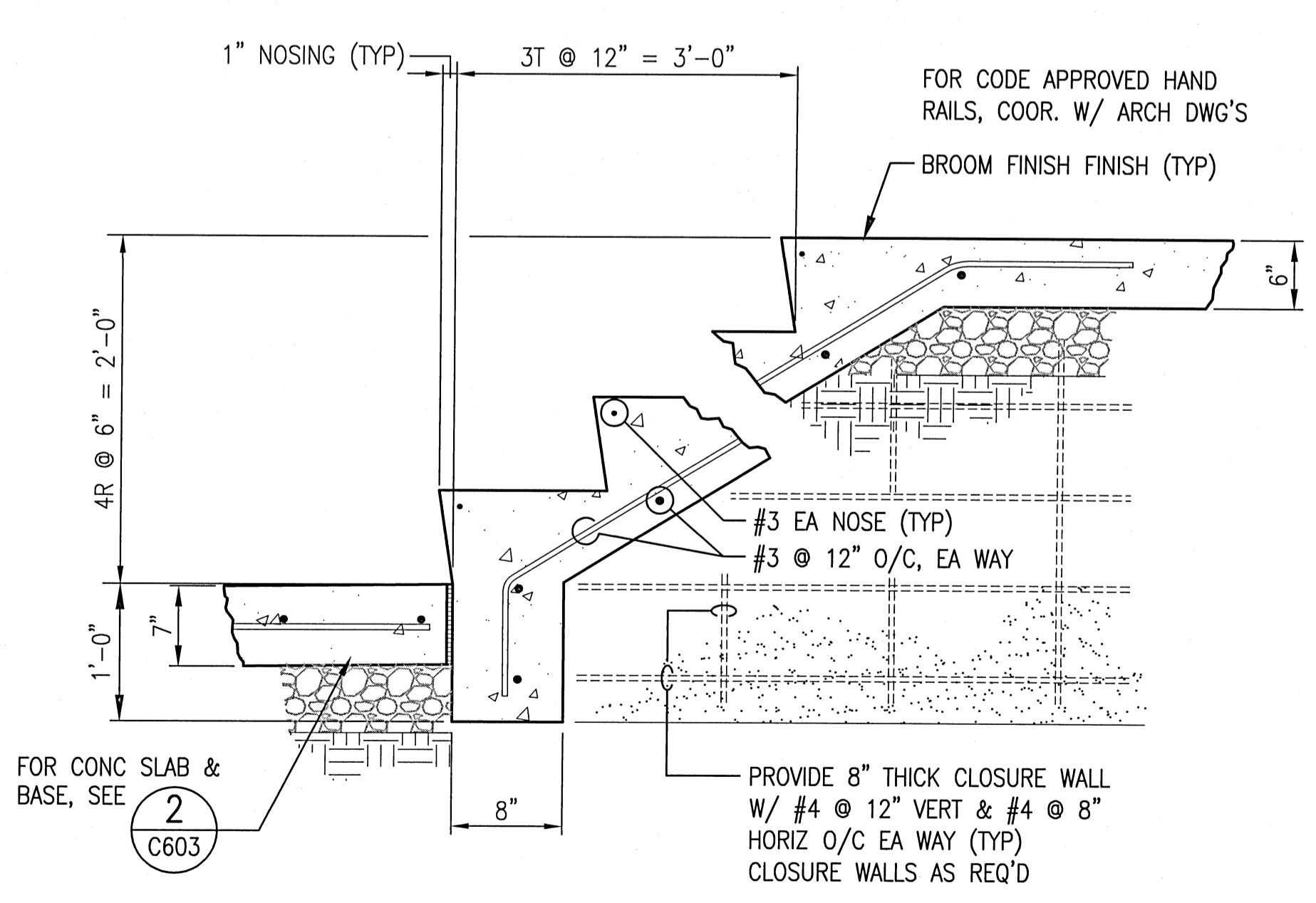
1 ENLARGED DUMPSTER/DOCK PLAN  
C603  
1" = 10.00'

2 DOCK SECTION  
C603  
NO SCALE

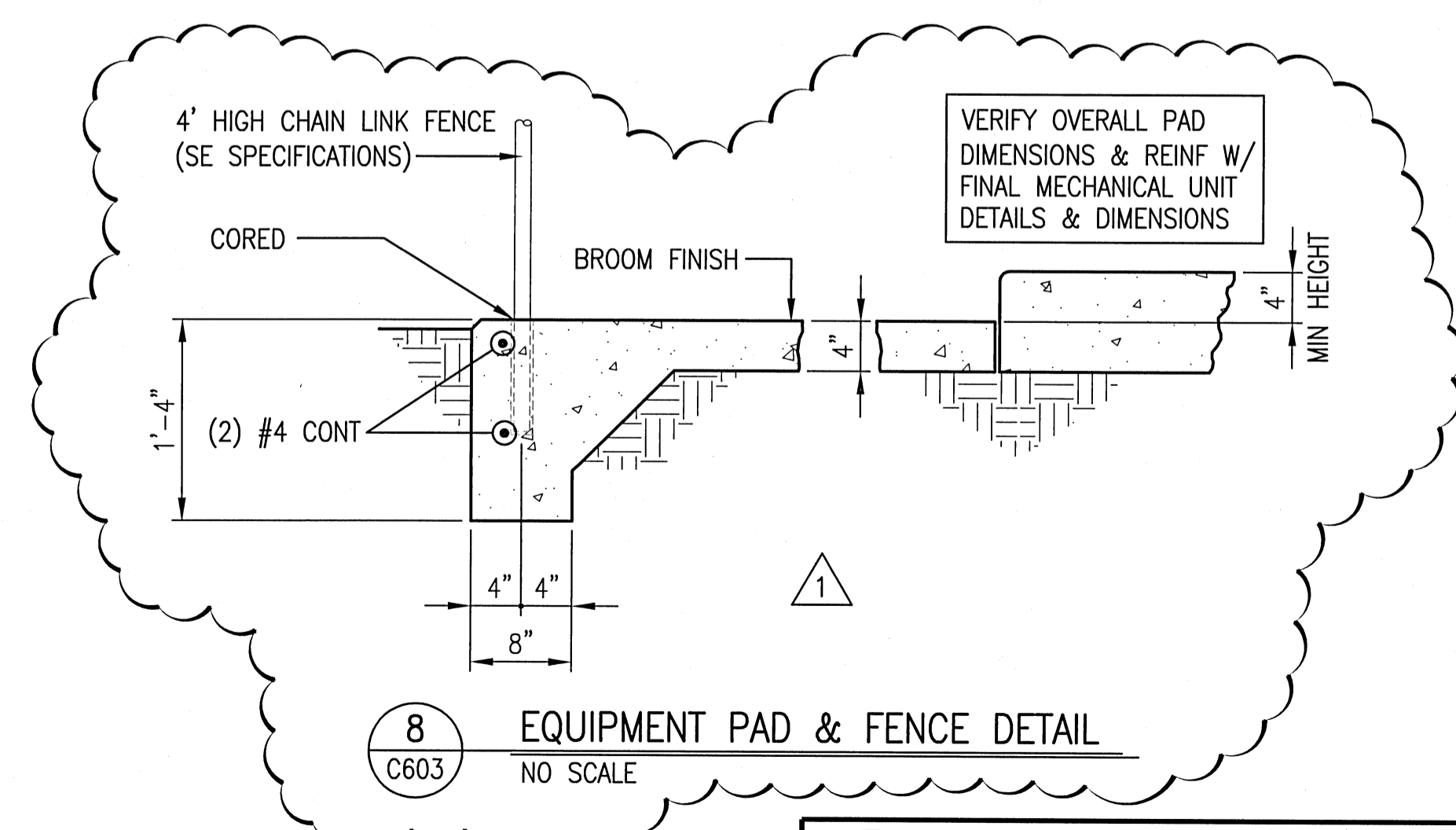
3 WALL SECTION  
C603  
NO SCALE



7 MECH YARD PAD & FENCE DETAIL  
C603  
NO SCALE



5 DUMPSTER PAD SECTION  
C603  
NO SCALE



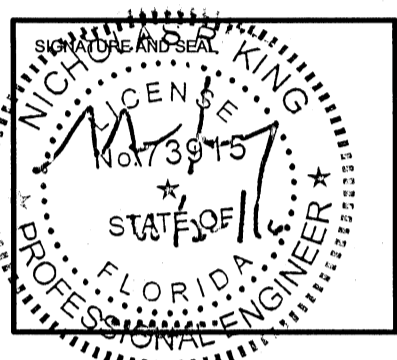
8 EQUIPMENT PAD & FENCE DETAIL  
C603  
NO SCALE

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**BITA**  
...optimizing design value  
PLANNING ARCHITECTURE INTERIOR DESIGN DESIGN BUILD

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FAST TRACK CIVIL FOR CONSTRUCTION SET  
12 SEPT 2016



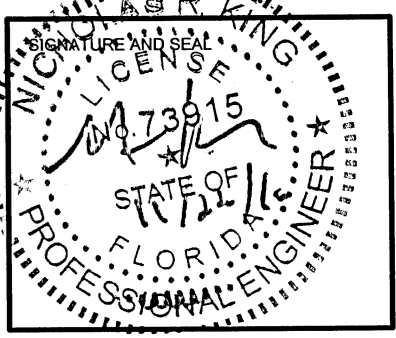
KINGSFIELD ELEMENTARY SCHOOL - P3  
900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:	
1	10/21/2016

BYA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
SECTIONS & DETAILS

SHEET:  
C-603



REVISIONS:

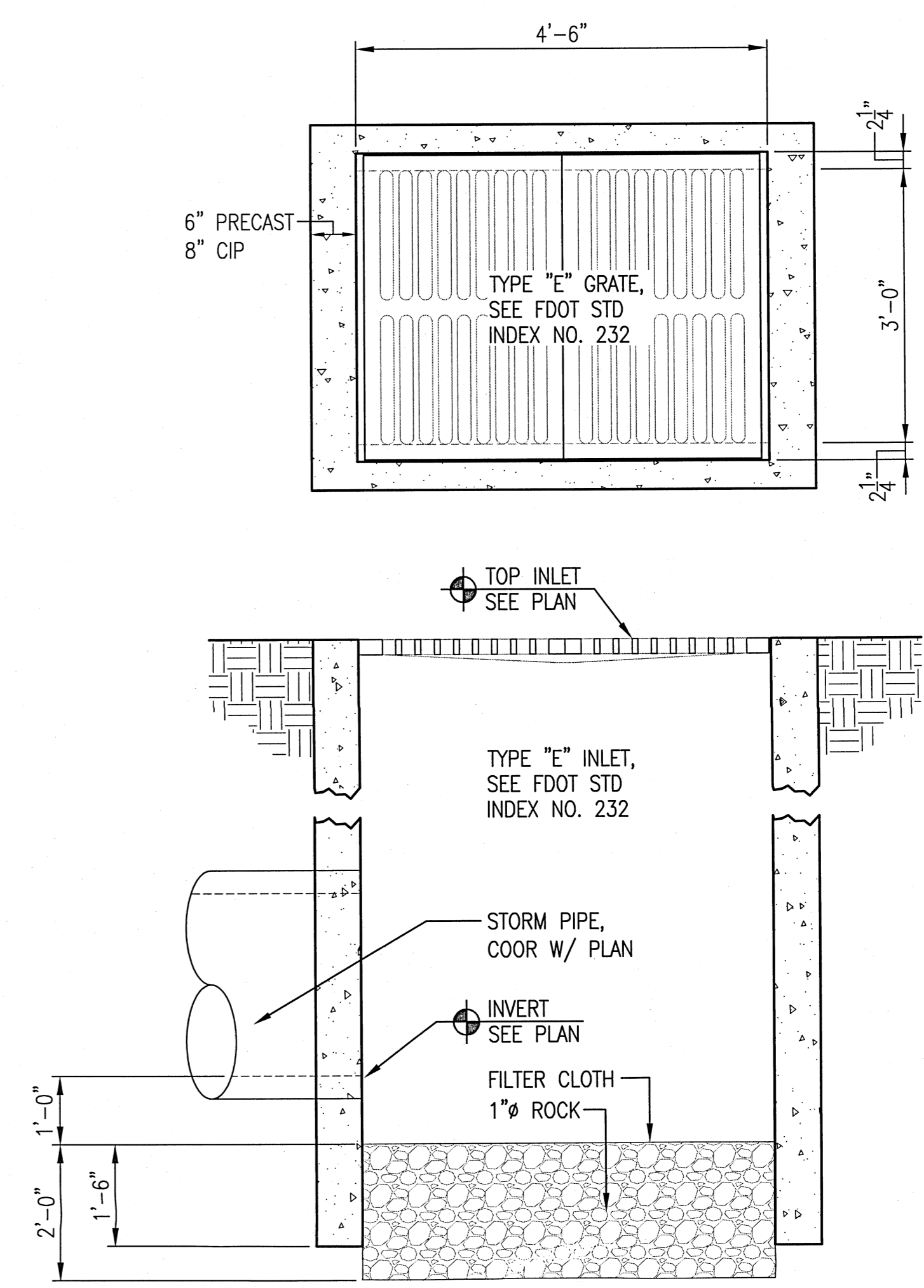

BTA PROJECT NO: 144415.01  
 SHEET DATE: 09/12/16

SHEET TITLE:  
 SECTIONS & DETAILS

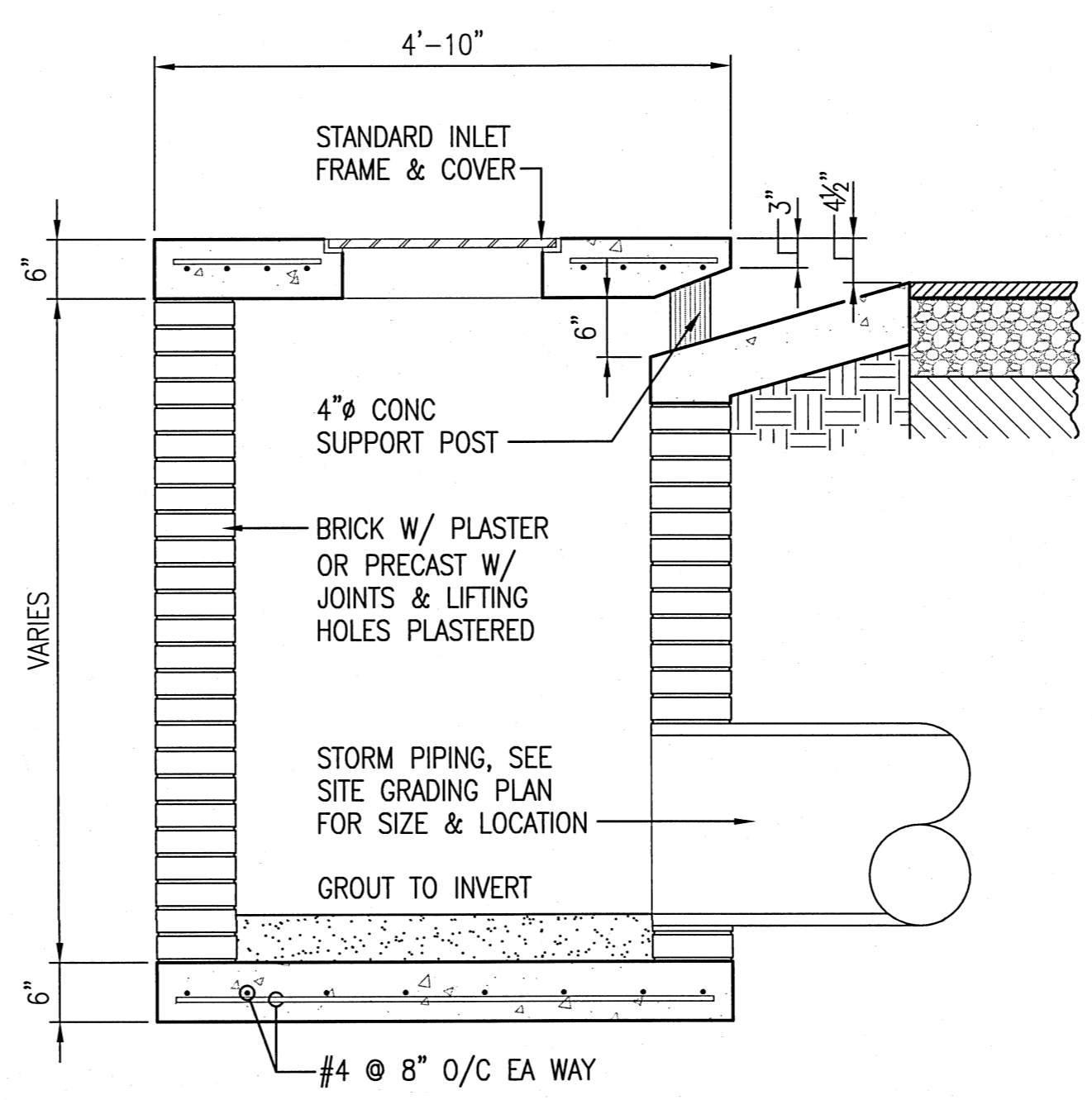
SHEET:

C-604

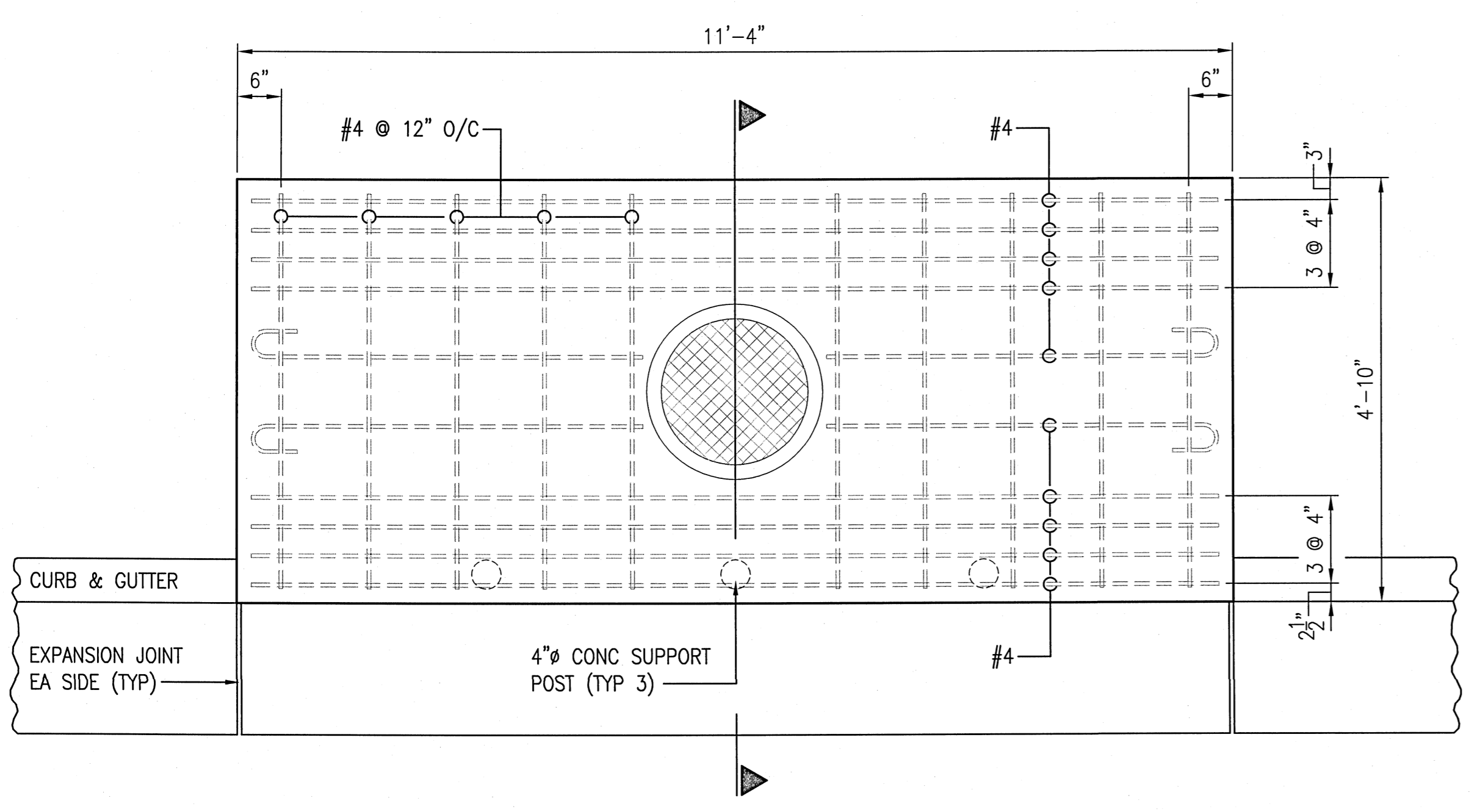
**KH&A** Kenneth Horne & Associates, Inc.  
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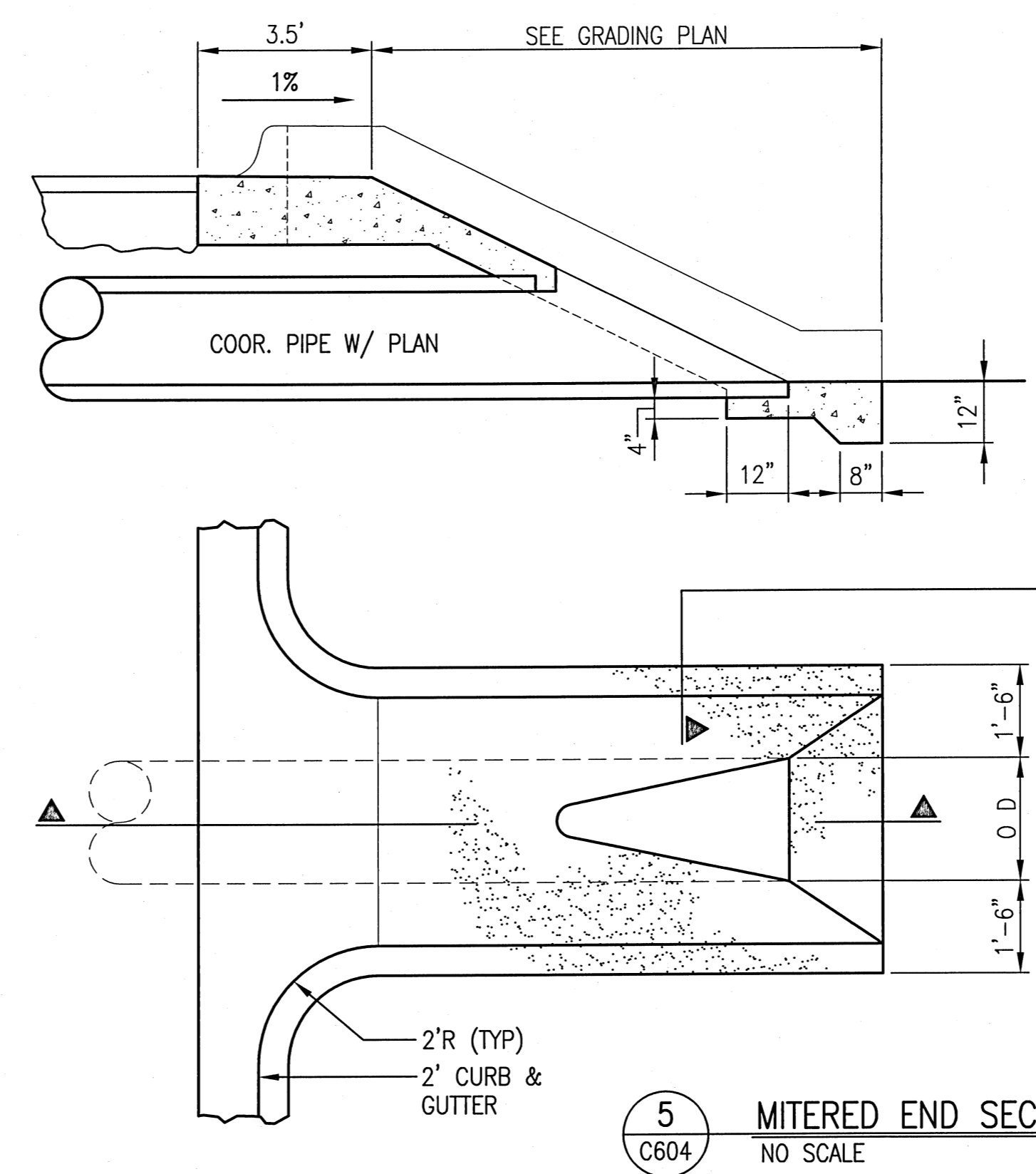
2 TYPE "E" INLET  
 C604 NO SCALE



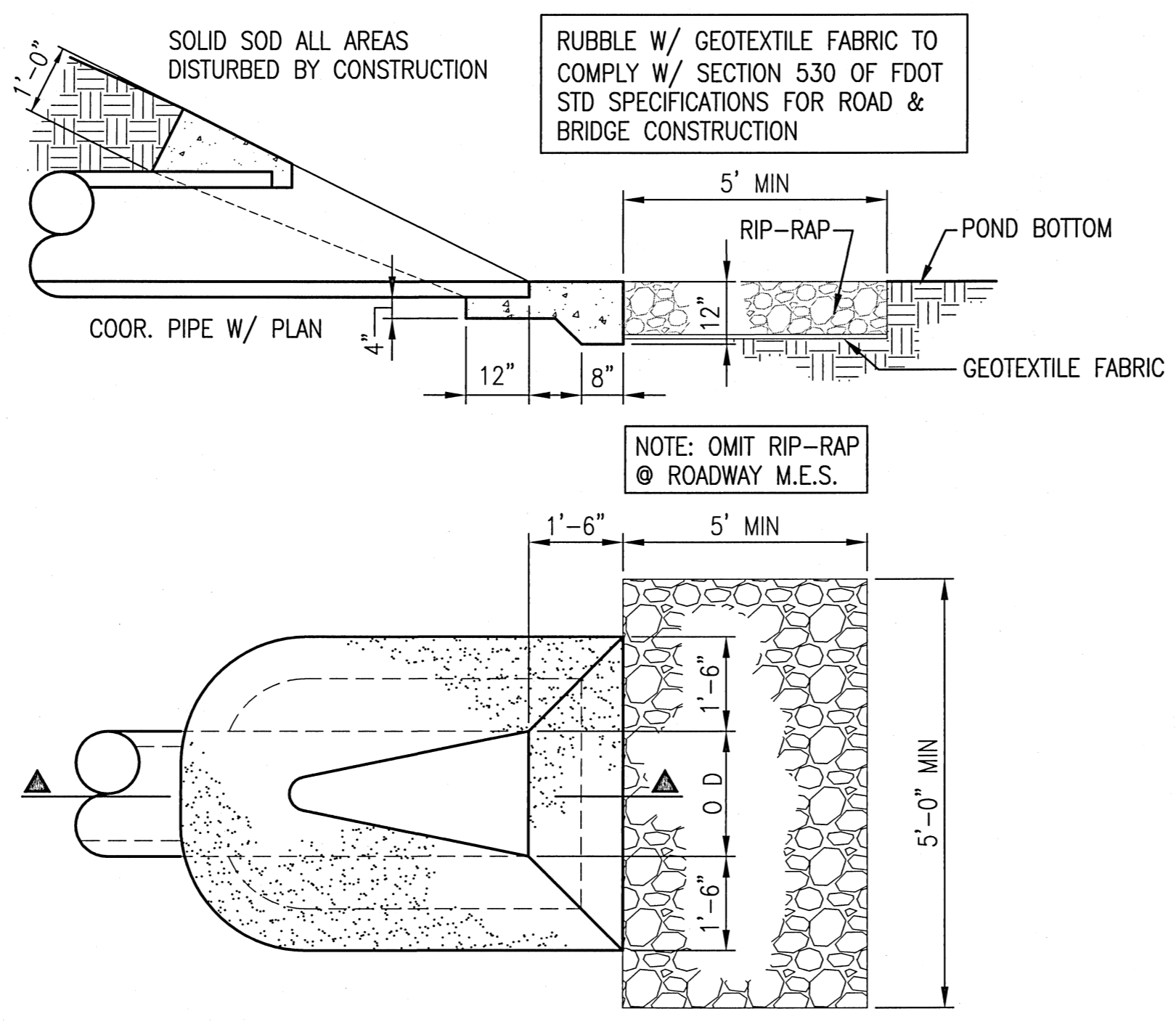
1 TYPE "A" CURB INLET  
 C604 NO SCALE



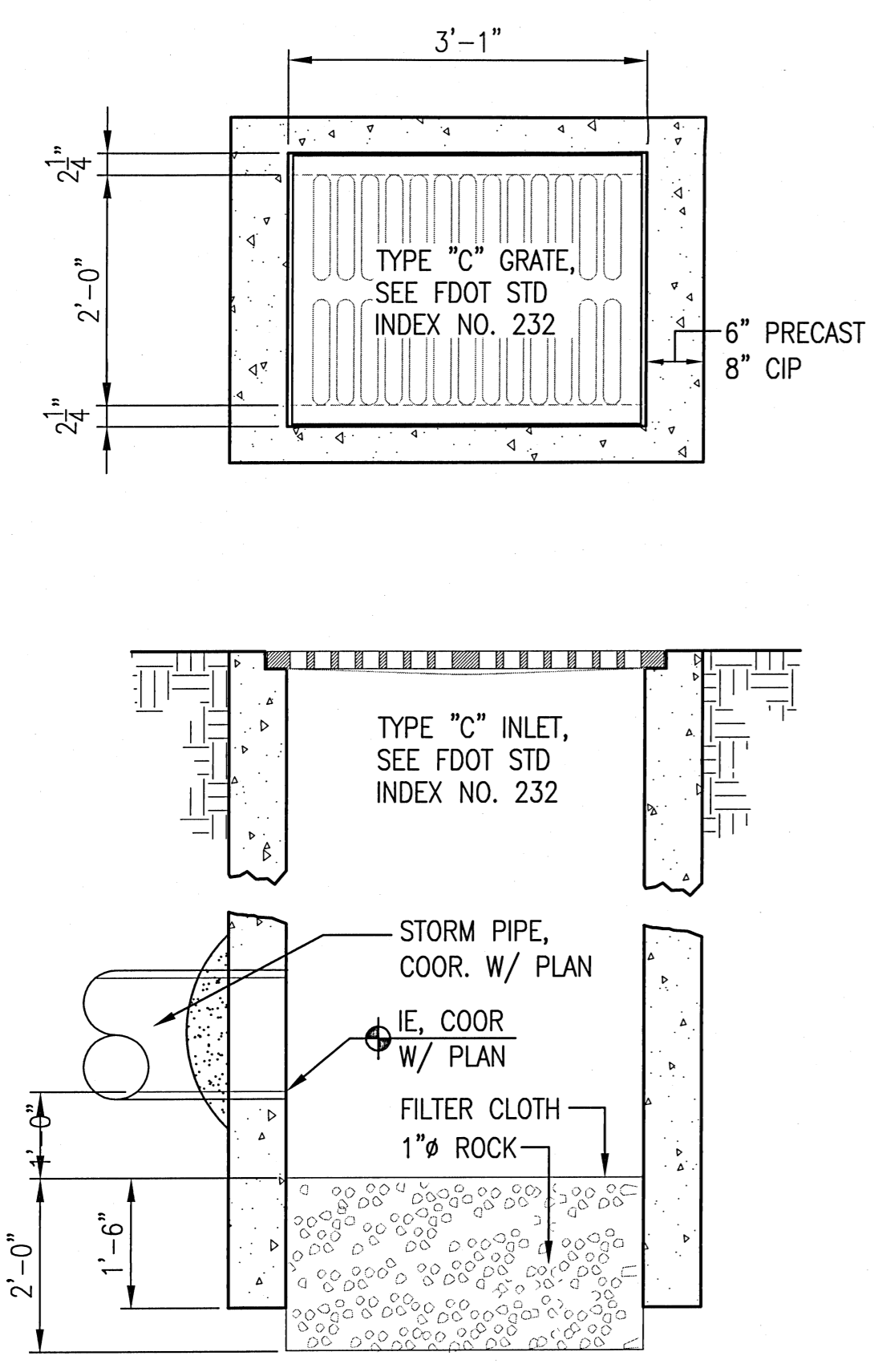
3 TYPE "C" OPEN BOTTOM INLET  
 C604 NO SCALE



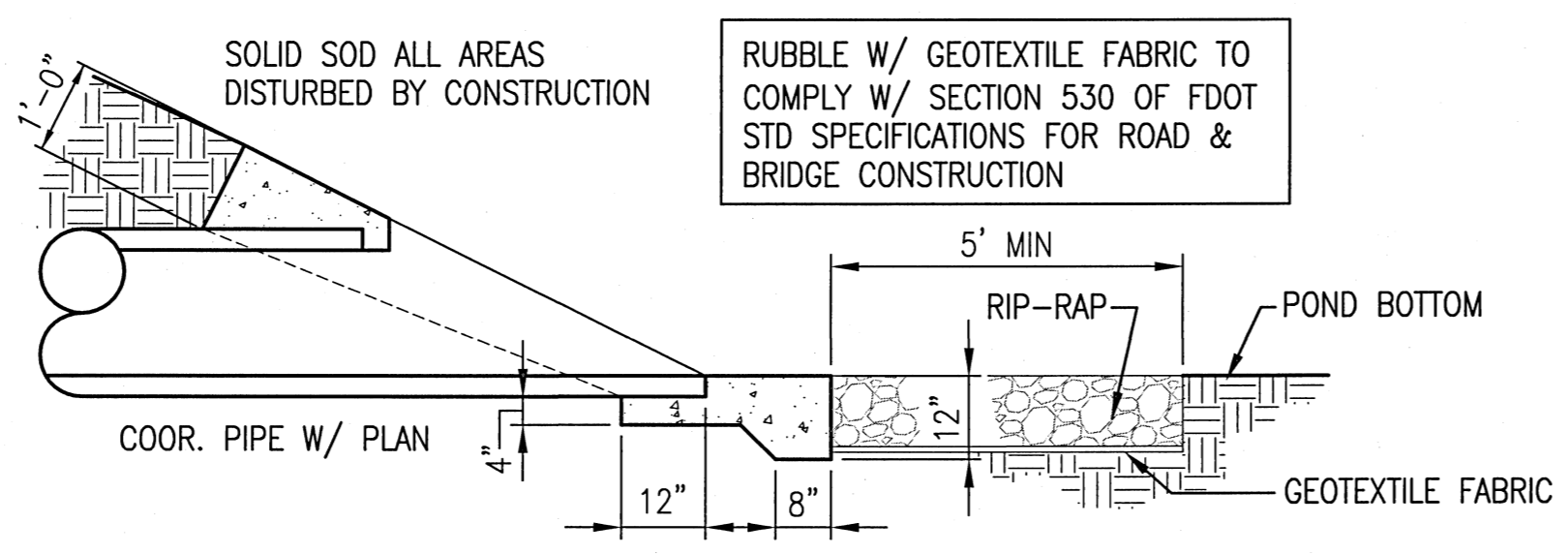
4 MITERED END SECTION @ POND  
 C604 NO SCALE



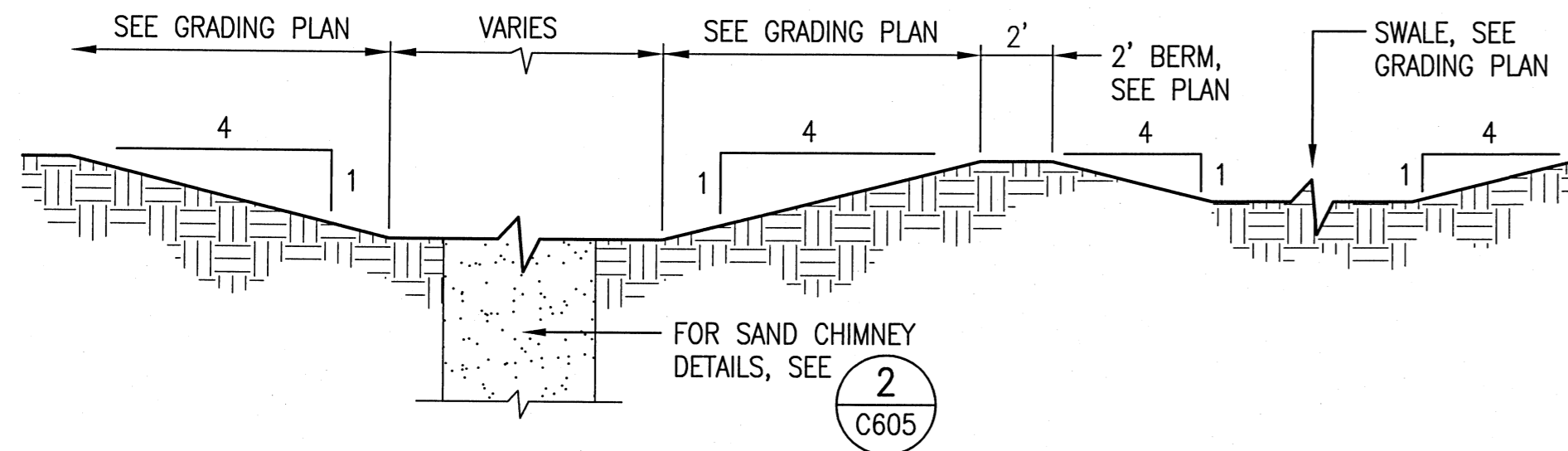
5 MITERED END SECTION/FLUME  
 C604 NO SCALE



3 TYPE "C" INLET  
 C604 NO SCALE

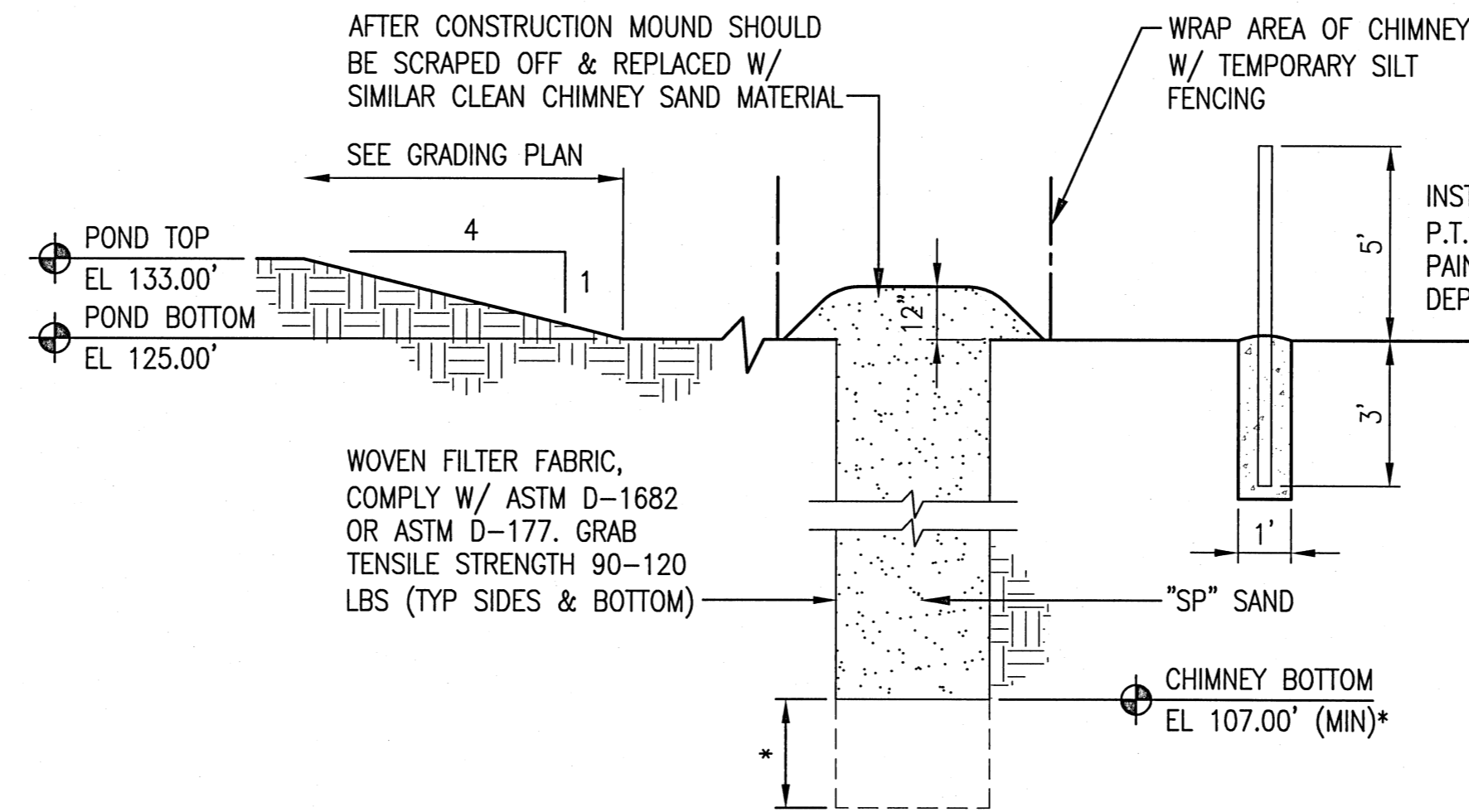


4 MITERED END SECTION @ POND  
 C604 NO SCALE



**1 TYPICAL POND SECTION**  
C605 NO SCALE

**RETENTION POND & SWALE NOTES:**  
 - SIDEWALLS TO RECEIVE SOLID SOD MATCH EXISTING SPECIES  
 - BOTTOM TO BE SODDED, LESS CHIMNEY AREA  
 - CLEAN OF ALL CONSTRUCTION DEBRIS AND SILT BEFORE SODING.

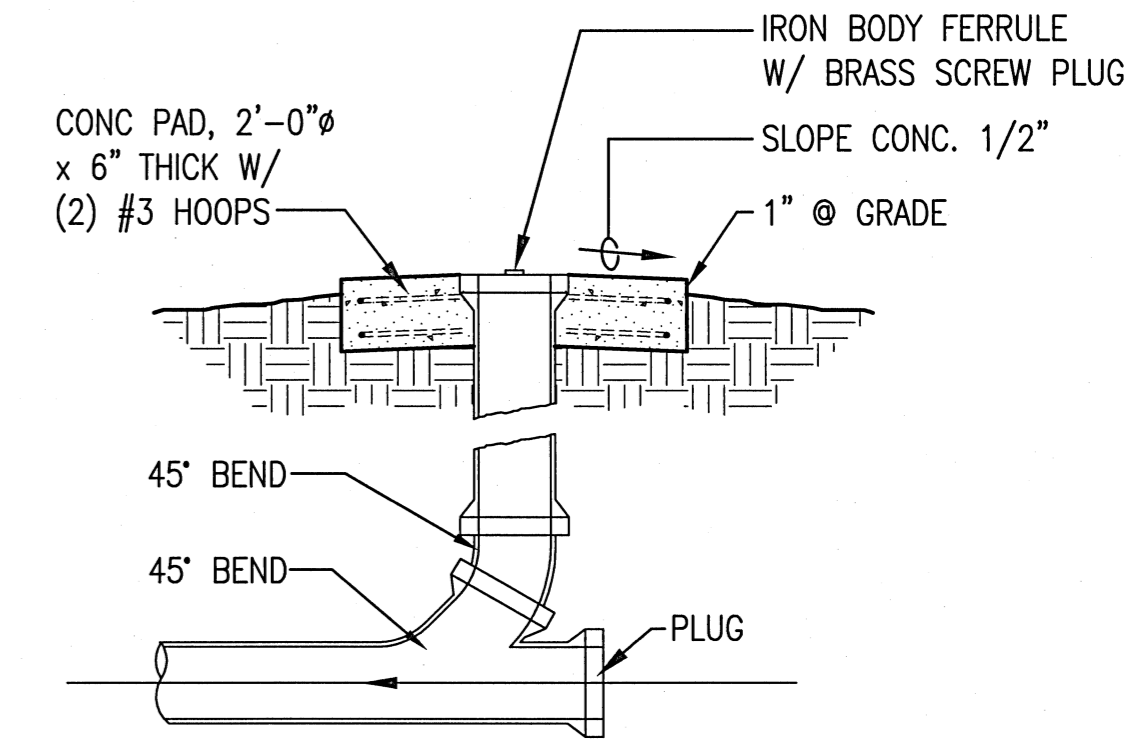


**2 SECTION @ CHIMNEY**  
C605 NO SCALE

\* SAND CHIMNEY SHALL EXTEND 48" INTO THE UNDERLYING SAND LAYER

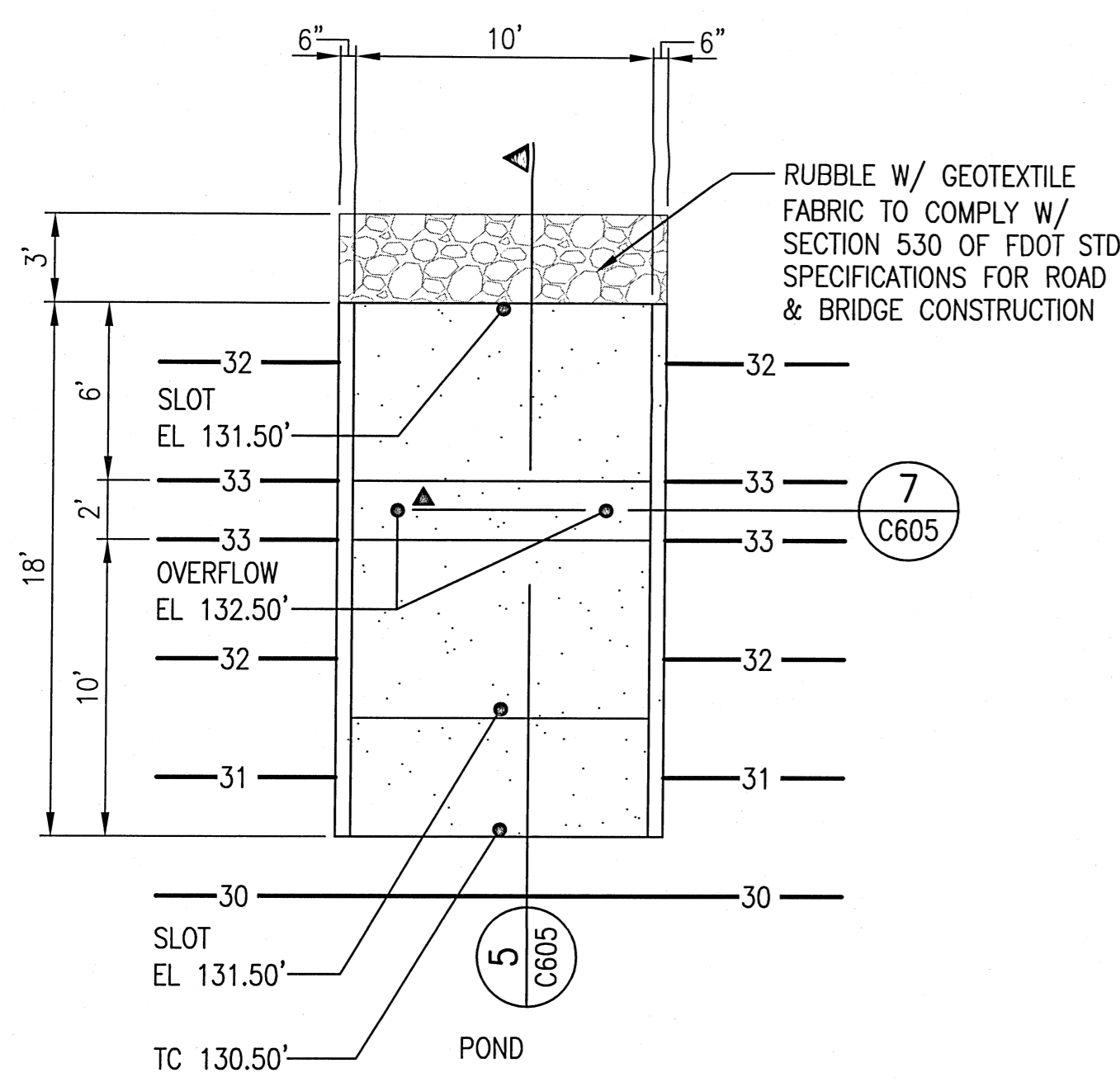
THE GEOTECHNICAL ENGINEER OF RECORD MUST BE PRESENT ON-SITE TO VERIFY THAT THE BOTTOM OF CHIMNEY IS KEYING INTO THE MORE PERMEABLE LAYER AND THAT THE LESS-PERMEABLE MATERIAL HAS BEEN REMOVED TO AN APPROPRIATE DEPTH IN THE BOTTOM OF THE CHIMNEY, PRIOR TO INSTALLING THE CHIMNEY MATERIAL.

"SP" SAND MEETING THE FOLLOWING:  
 - EFFECTIVE GRAIN SIZE 0.2 TO 0.55 mm  
 - UNIFORMITY COEFFICIENT 1-1/4 TO 4  
 - COEFFICIENT OF PERMEABILITY K 0.609 TO 1.524 M/HR (2 TO 5 FT/HR)  
 - CONTRACTOR TO SUBMIT A LABORATORY ANALYSIS VERIFYING PROPERTIES

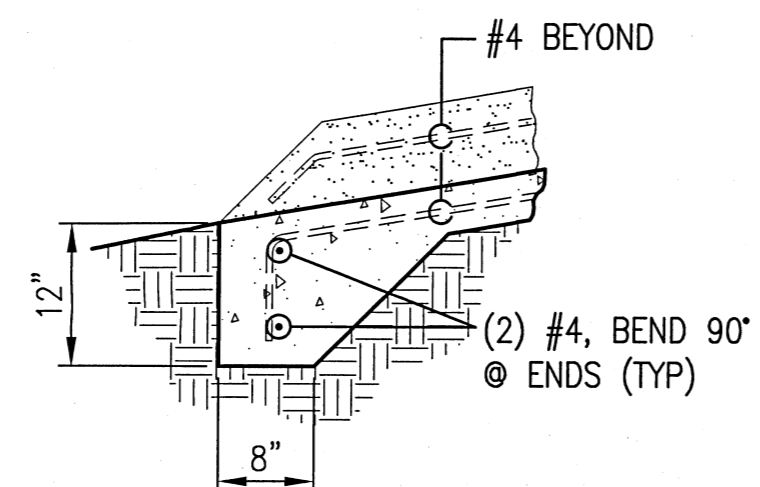


**3 CLEAN OUT**  
C605 NO SCALE

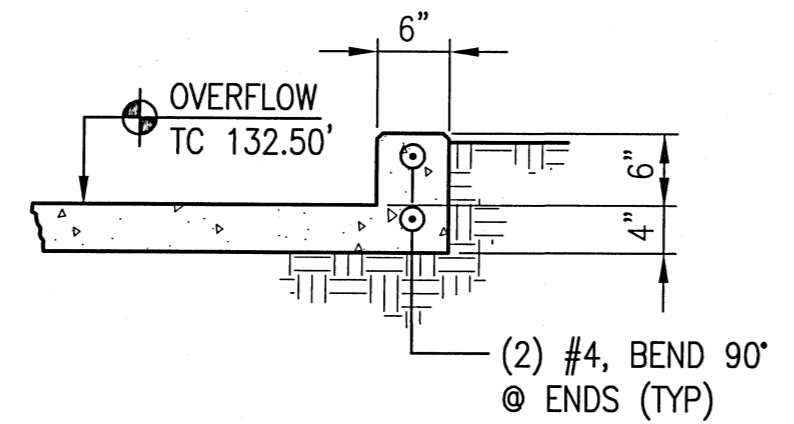
PROVIDE CLEAN OUTS AS REQ'D BY PLUMB'G CODE



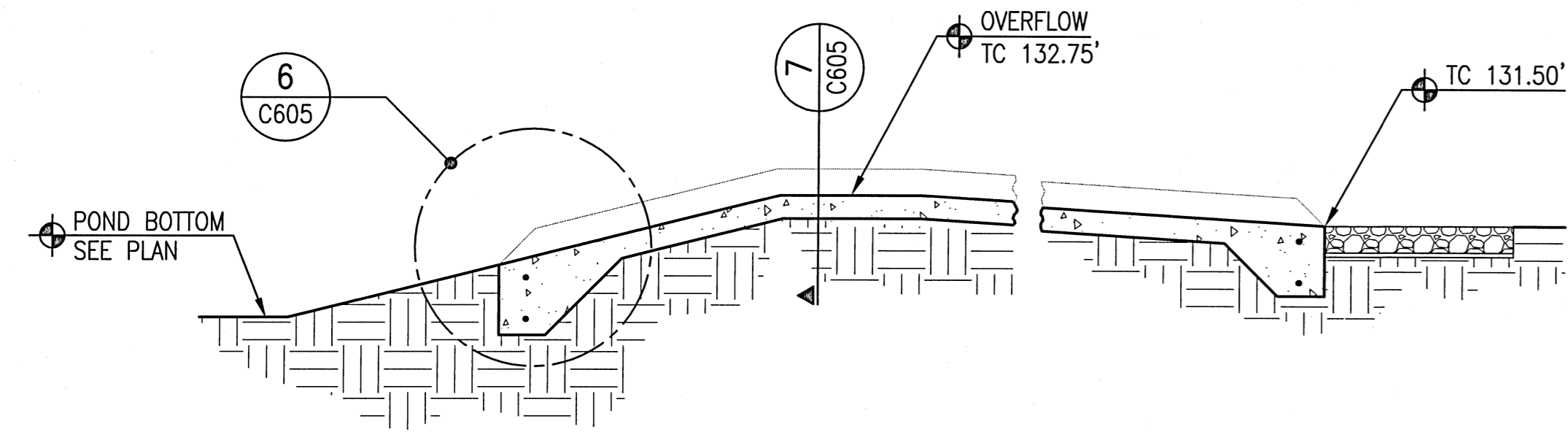
**4 CONC WEIR PLAN**  
C605 NO SCALE



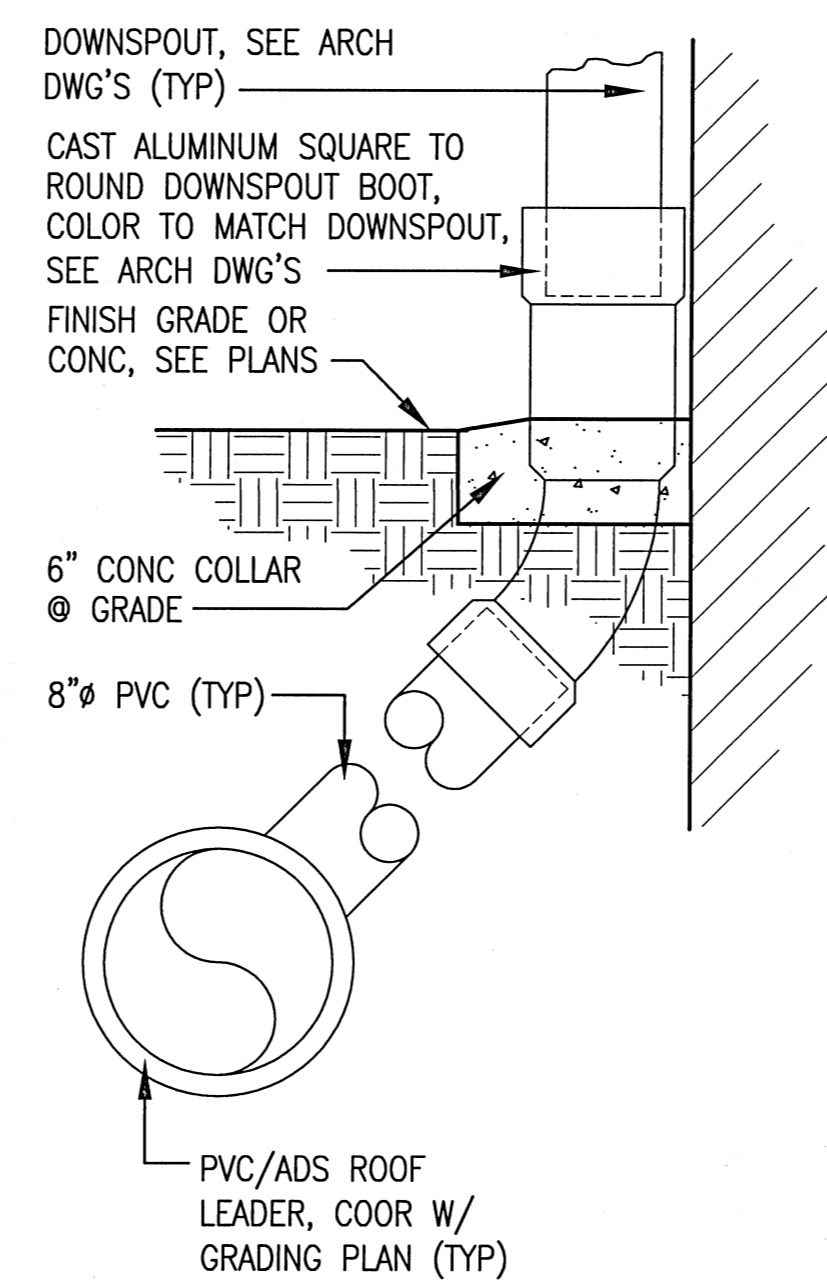
**6 SECTION**  
C605 NO SCALE



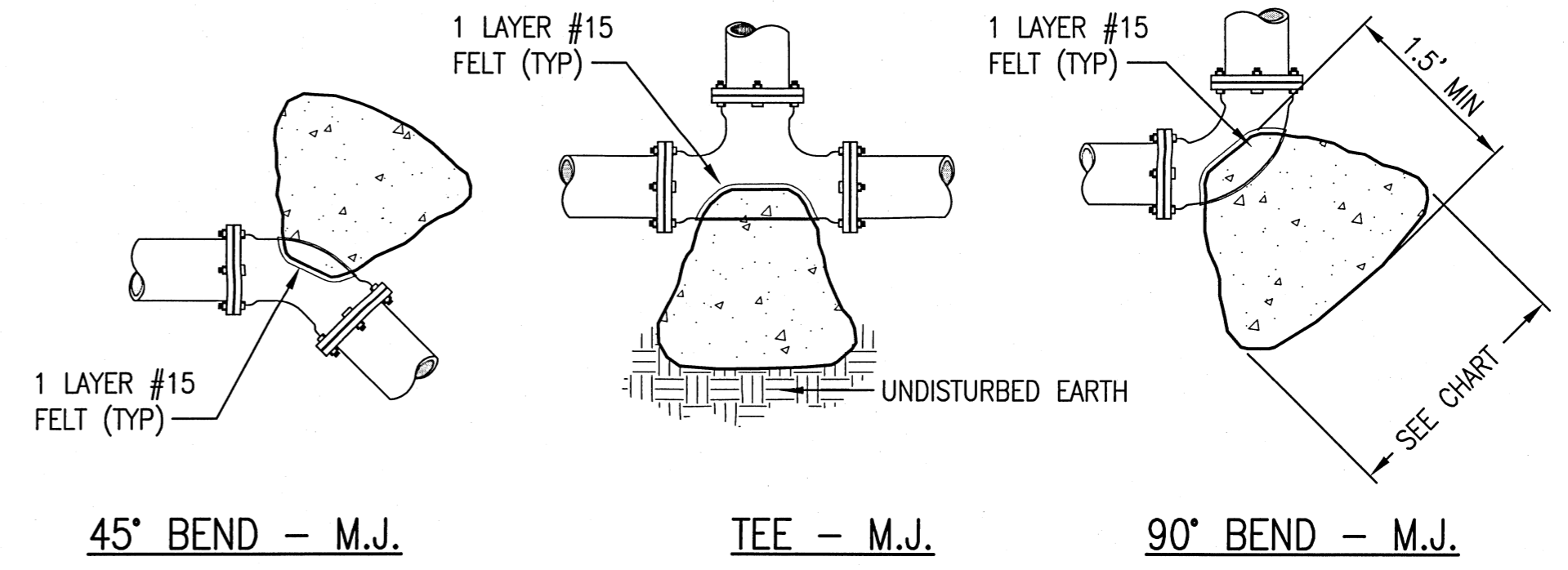
**7 SECTION**  
C605 NO SCALE



**5 CONC WEIR SECTION**  
C605 NO SCALE



**8 ROOF LEADER DETAIL**  
C605 NO SCALE



MINIMUM THRUST BLOCK DIMENSIONS:  
SURFACE AREA AGAINST UNDISTURBED SOIL

PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND
4"	1' x 2'	1.5' x 1.5'	1' x 1.5'	1' x 1'
6"	2' x 2'	2.5' x 2.5'	2' x 1.5'	1' x 1.5'
8"	2.25' x 3'	3' x 3'	2' x 2.5'	1.5' x 1.5'
10"	3.5' x 3'	4' x 3.75'	2.75' x 3'	2' x 2'
12"	4' x 4'	4' x 5'	3' x 4'	2' x 3'
16"	5' x 5.5'	6' x 6.5'	4' x 5'	3' x 3.5'

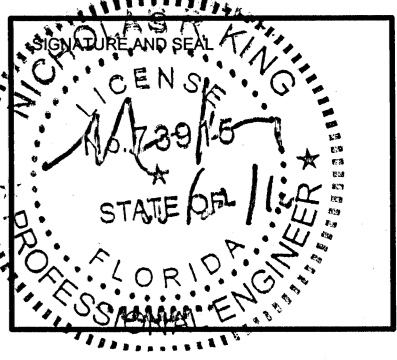
- NOTES:**
- ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
  - ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL
  - THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION
  - CONCRETE MIN. 2,500 PSI.
  - JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS. TRUST BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, TEES, TAPPING SLEEVES, AND DEAD ENDS.

**9 THRUST BLOCK SCHEDULE & DETAILS**  
C605 NO SCALE

**BITA**  
...optimizing design value  
PLANNING ARCHITECTURE INTERIOR DESIGN

Bullock Tice Associates  
909 East Cervantes Suite B  
Pensacola, FL 32501  
AAC000174  
www.bullocktice.com  
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Phone: 850-434-5444

FAST TRACK CIVIL FOR CONSTRUCTION SET  
12 SEPT 2016



**KINGSFIELD ELEMENTARY SCHOOL - P3**  
900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:


BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
**SECTIONS & DETAILS**

SHEET:  
**C-605**

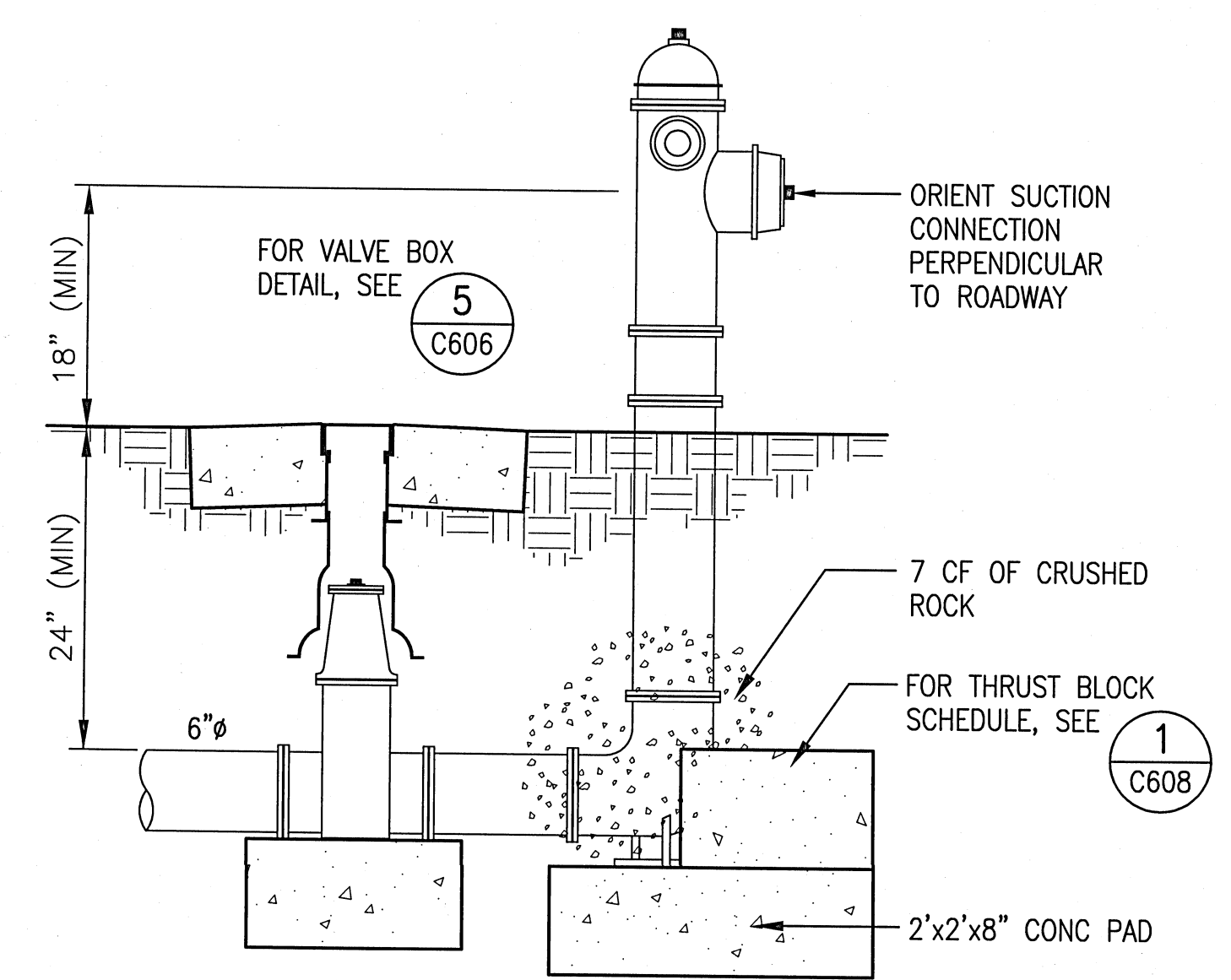
**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
7201 NORTH 9th, SUITE 6, PENSACOLA, FLORIDA 32504  
(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

REVISIONS:


BTA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

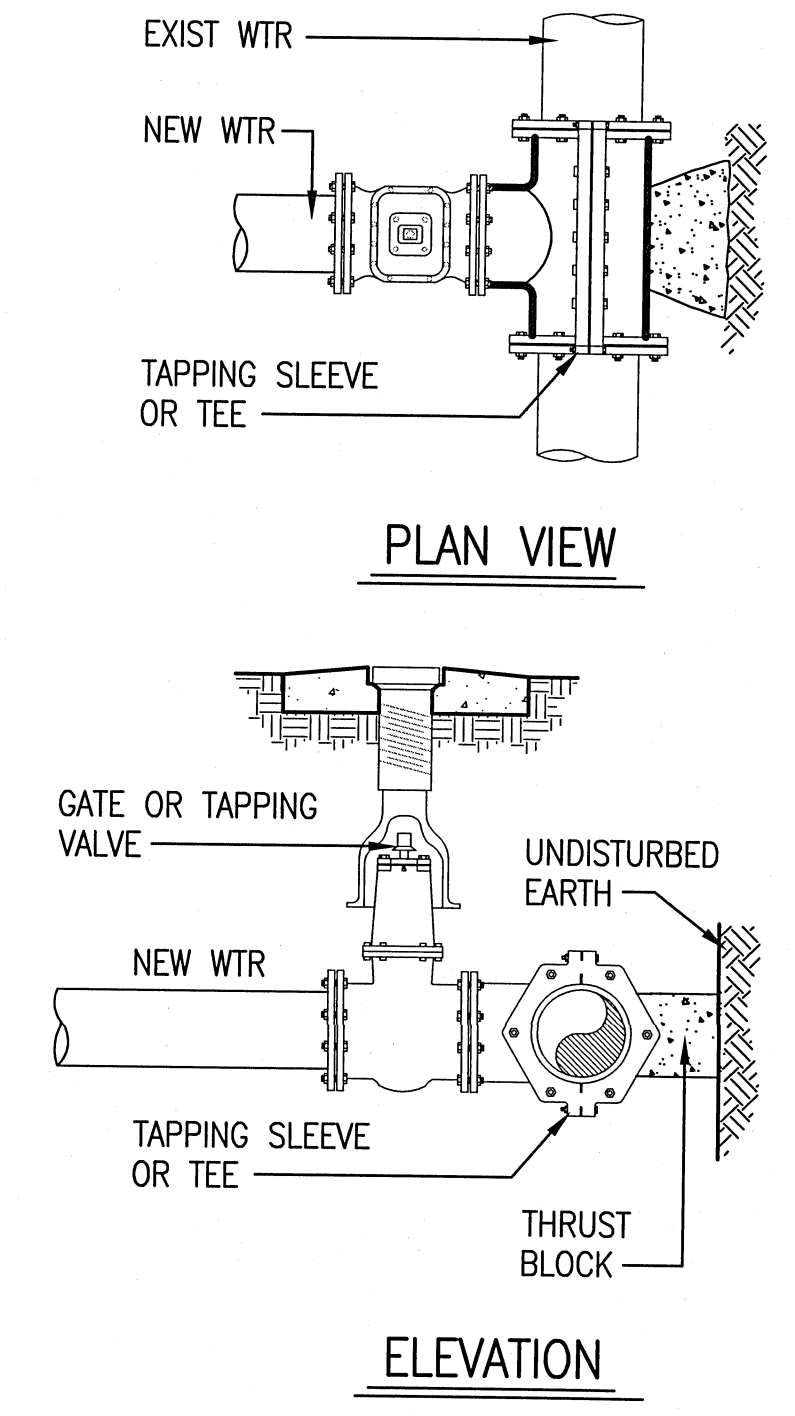
SHEET TITLE:  
**SECTIONS & DETAILS**

SHEET:  
**C-606**



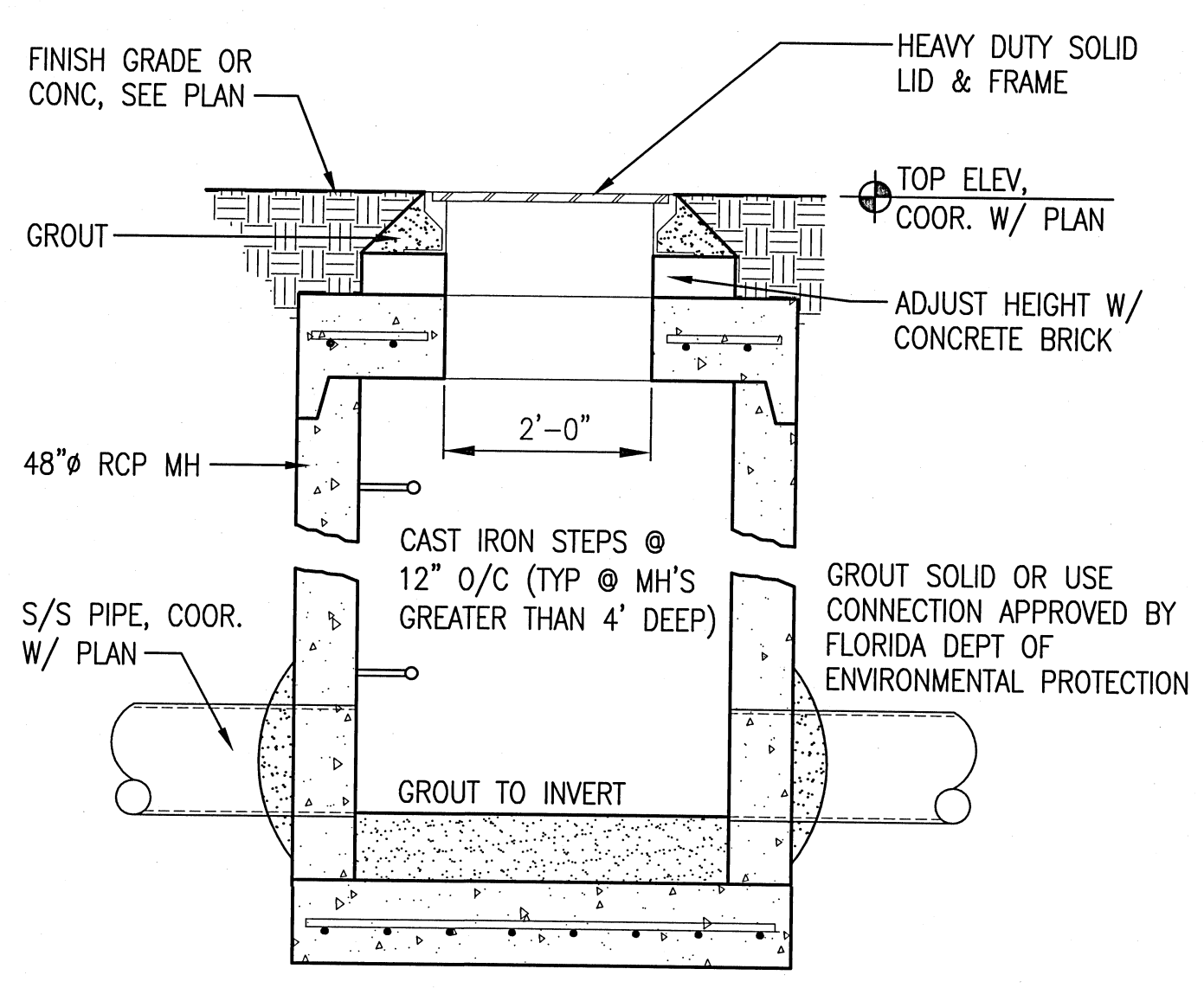
NOTE:  
FOR ADDITIONAL HYDRANT INFORMATION SEE SPECIFICATIONS  
HYDRANT TO BE 3' CLEAR MIN & 7' MAX FROM ROADWAY  
PROVIDE POSITIVE SLOPES AWAY FROM HYDRANT

**4 FIRE HYDRANT DETAIL**  
C606 NO SCALE



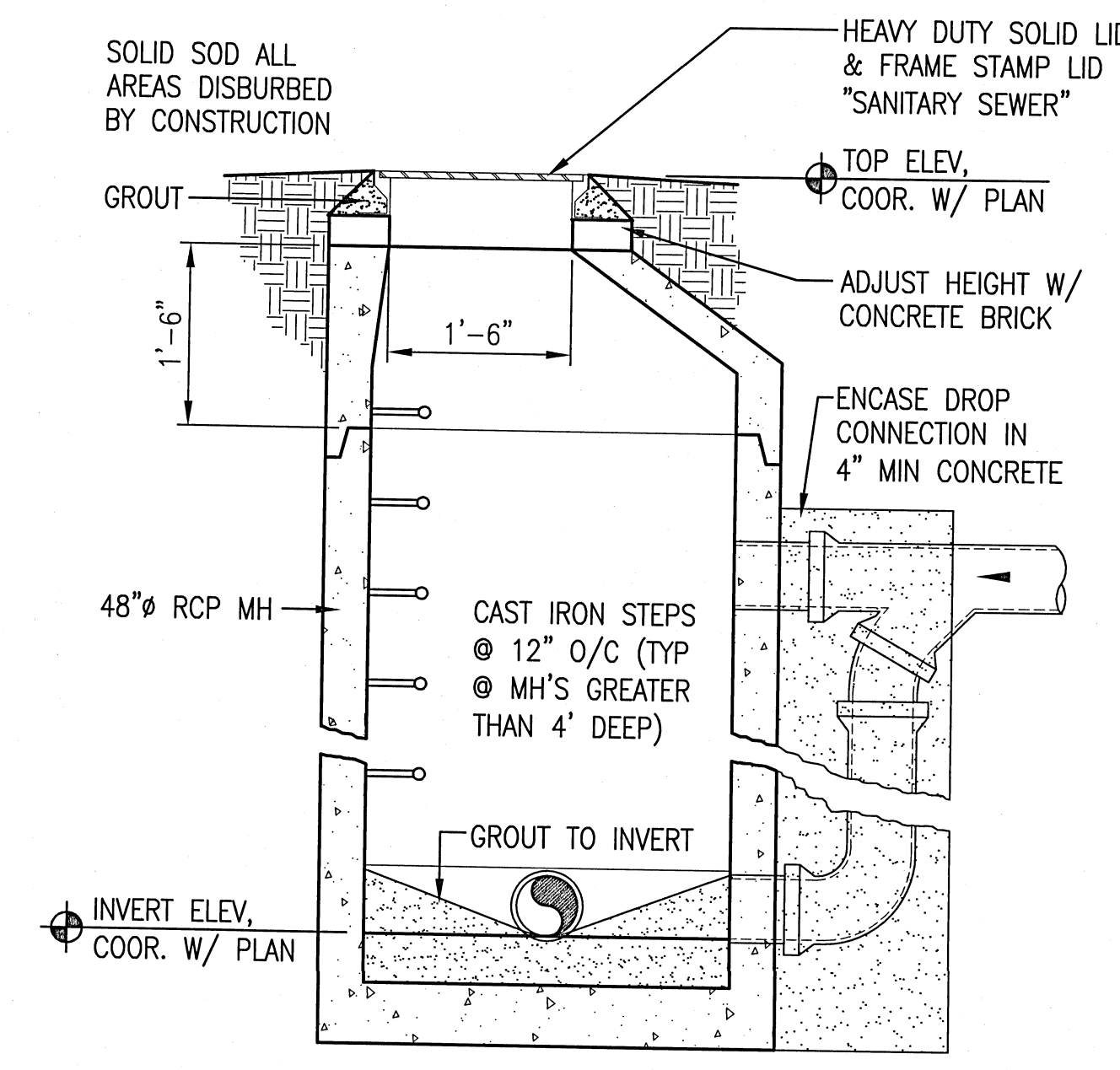
SEE SITE UTILITY PLAN FOR EXIST & NEW WATER LINE SIZES (TYP)

**3 TAPPING SLEEVE & VALVE**  
C606 NO SCALE



MANHOLES SHALL COMPLY W/ ASTM C478 IN ACCORDANCE W/ THE APPLICABLE PROVISIONS OF SECTION 5.2.1 OR 5.2.2 OF THE REFERENCED STANDARDS. ALL MATERIALS & REINFORCING SHALL NOT BE LESS THAN PRESCRIBED BY THE STANDARDS. RUBBER GASKETS SHALL COMPLY W/ ASTM C-443

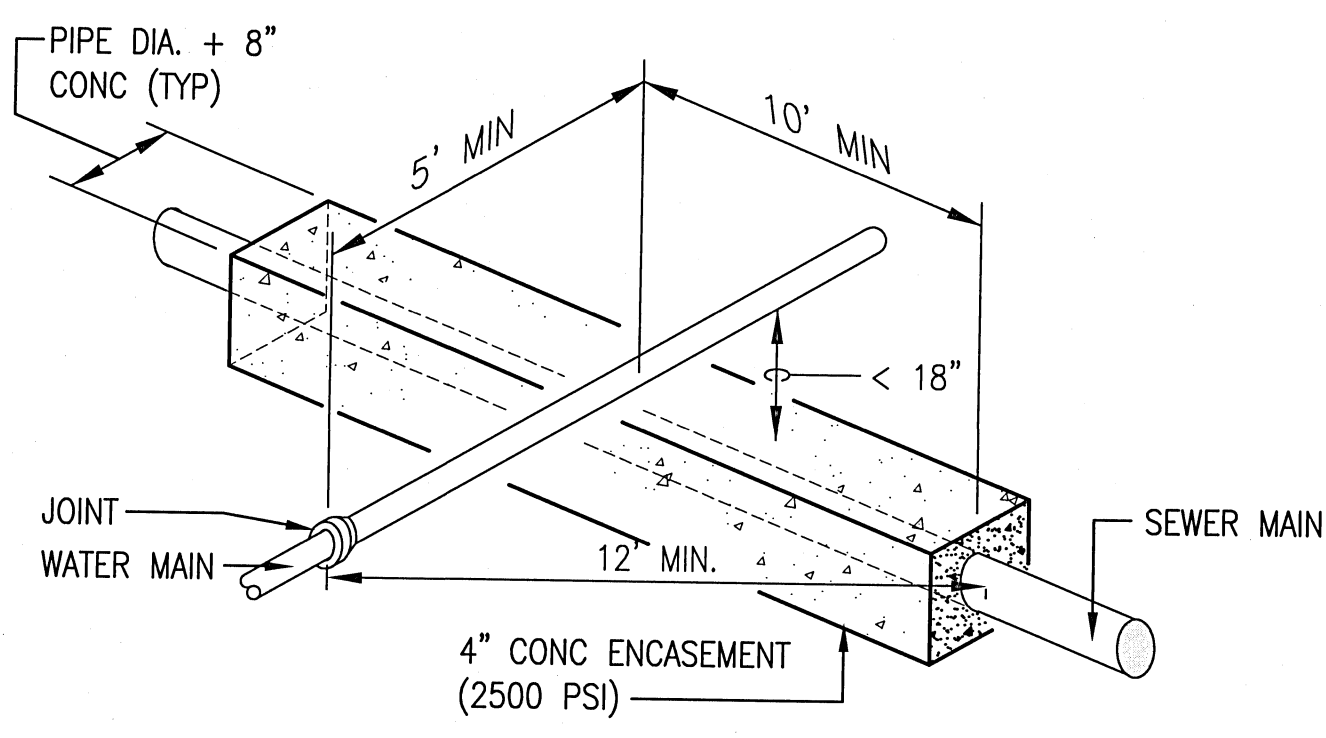
**2 SANITARY SEWER MH**  
C606 NO SCALE



MANHOLES SHALL COMPLY W/ ASTM C478 IN ACCORDANCE W/ THE APPLICABLE PROVISIONS OF SECTION 5.2.1 OR 5.2.2 OF THE REFERENCED STANDARDS. ALL MATERIALS & REINFORCING SHALL NOT BE LESS THAN PRESCRIBED BY THE STANDARDS. RUBBER GASKETS SHALL COMPLY W/ ASTM C-443

**1 DROP INLET SS MH**  
C606 NO SCALE

SANITARY SEWER LINES (GRAVITY OR PRESSURE) SHALL HAVE 18" OR GREATER VERTICAL CLEARANCE BELOW ANY POTABLE WATER LINE WHEN CROSSING. A MINIMUM OF 6" VERTICAL CLEARANCE IS REQUIRED FOR OTHER UTILITIES. HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER LINE THAT IS PARALLEL TO AND LESS THAN 18" BELOW A POTABLE WATER LINE SHALL BE 10' OR GREATER. A MINIMUM OF 30" IS REQUIRED FOR OTHER UTILITIES. IF THIS IS NOT POSSIBLE OR PRACTICAL, SEE BELOW:



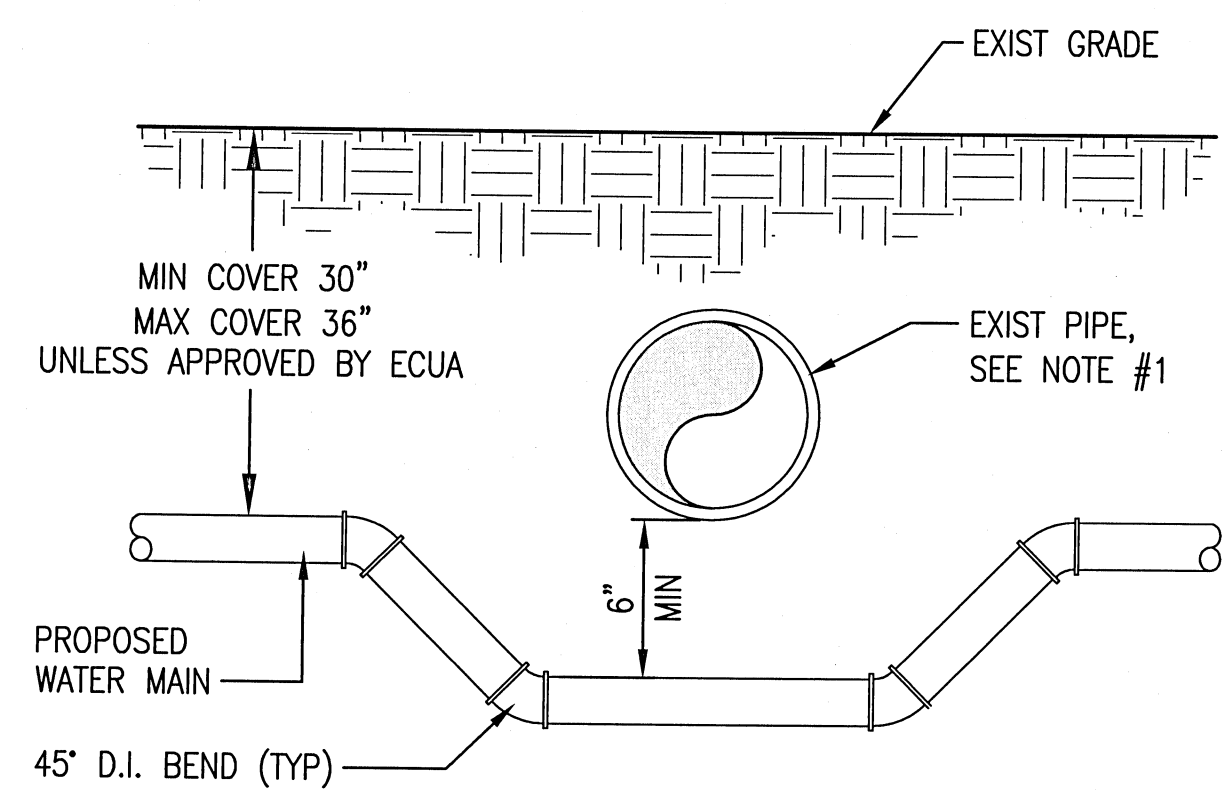
FOR CROSSING: ENCASE AS ABOVE SO THAT THE ENDS OF ENCASEMENT ARE AT LEAST 12' FROM ANY WATER LINE JOINT. WATER LINE JOINT MUST NOT BE CLOSER THAN 5' TO THE POINT OF CROSSING, OR IT MUST ALSO BE ENCASED.

ALTERNATE 1: USE EQUALLY (OR HIGHER) RATED PRESSURE PIPE FOR SEWER WITH NO JOINTS CLOSER THAN 12' APART AND 6" VERTICAL.

ALTERNATE 2: PLACE SEWER LINE INTO STEEL CASING AND CENTER 20' PIECE WITH 4' VERTICAL CLEARANCE AND SEAL ENDS.

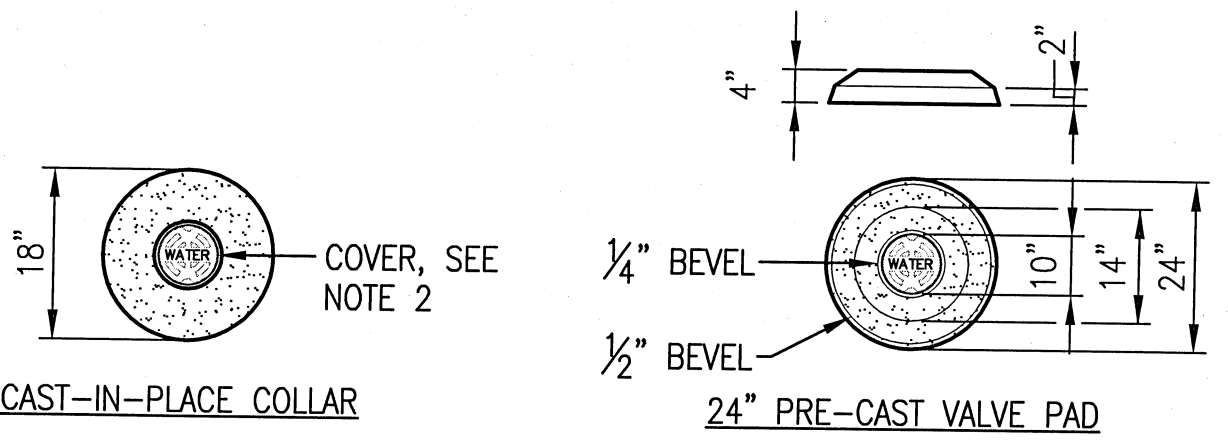
FOR PARALLEL: AND 6' TO 10' APART USE ALTERNATE 2, BUT IF MORE THAN 40' IN LENGTH, ALTERNATE 1 MUST BE USED AND JOINTS ARE TO BE STAGGERED. IF LINES MUST BE 3' TO 6' APART, ALTERNATE 1 MUST BE USED WITH A HIGHER RATED PRESSURE PIPE FOR SEWER (i.e., WATER LINE IS DR25 THEN USE DR18 OR 21 FOR SEWER).

**6 SEWER/WATER SEPARATION**  
C606 NO SCALE



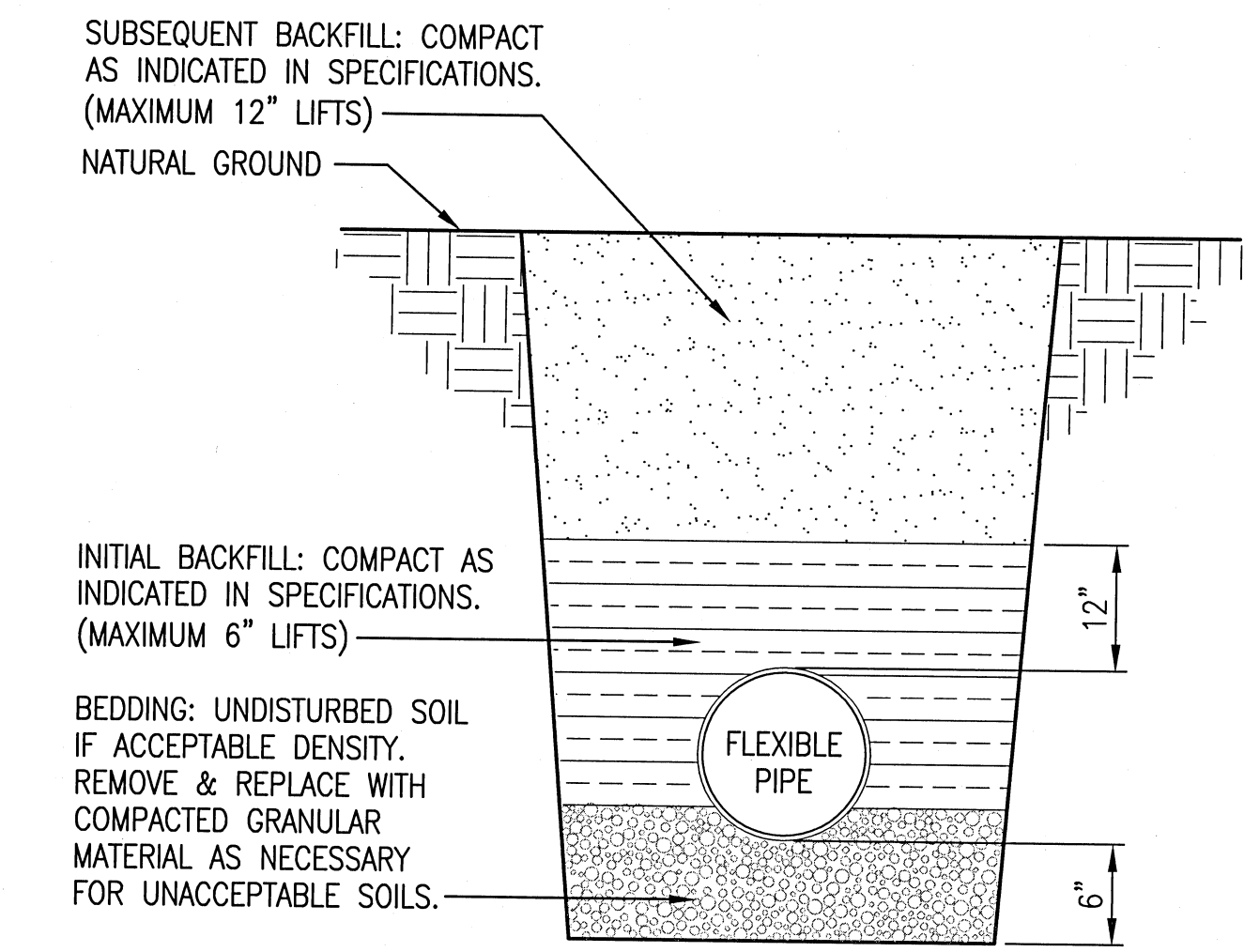
NOTE:  
1. IF EXISTING PIPE IS A SEWER MAIN, REFER TO ENCASEMENT DETAIL FOR ADDITIONAL SPECIFICATIONS.  
2. ALL FITTINGS ARE TO BE C.I. RETAINING JOINT TYPE.

**7 CONFLICT DETAIL**  
C606 NO SCALE

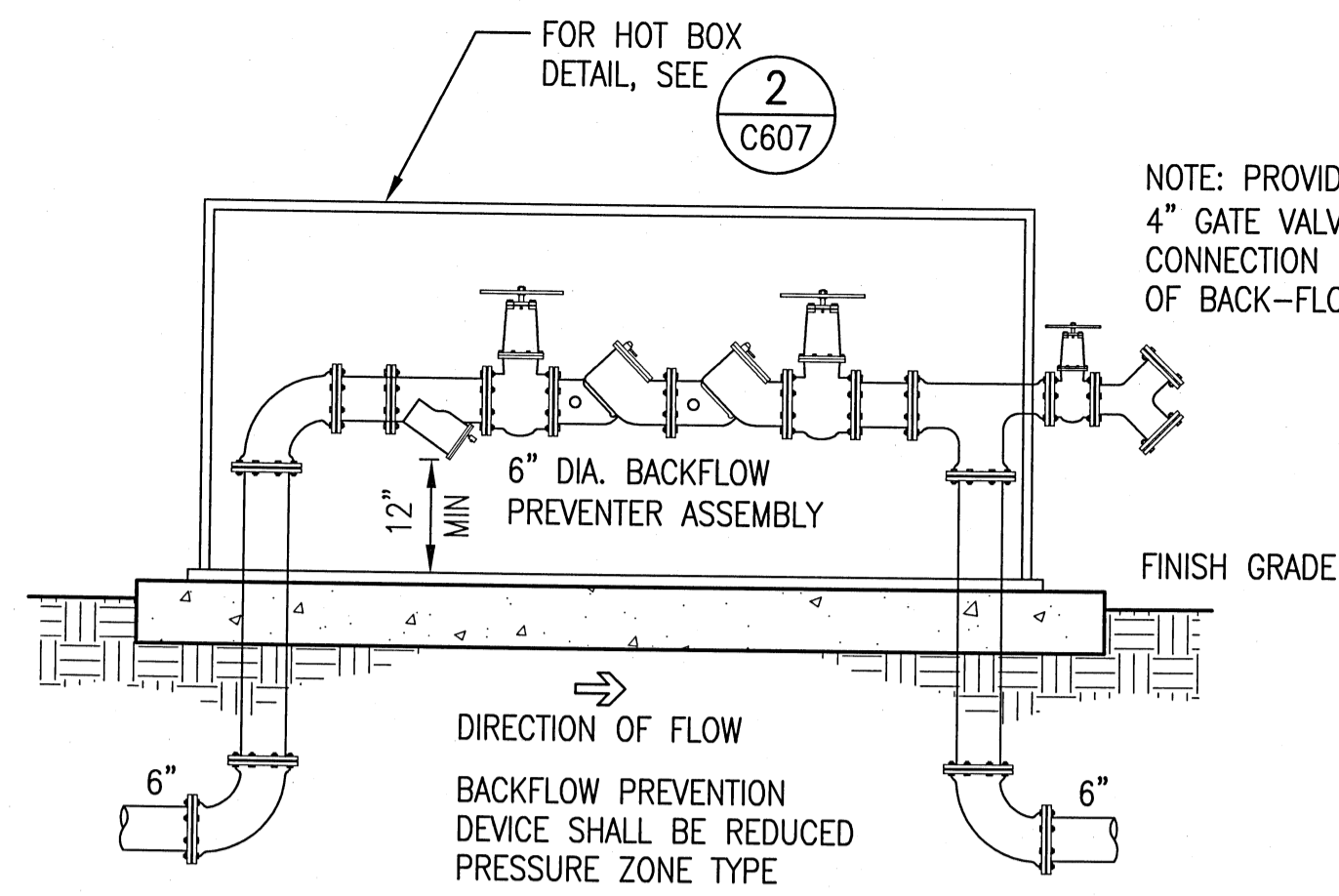


1. VALVE BOX & BOOT SHALL BE CAST IRON
2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE.
3. VALVE BOX TOP SHALL BE FLUSH WITH FINISH GRADE OR 1/2" ABOVE NATURAL GROUND.
4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS OR APPROVED EQUAL.
5. EARTH UNDER FLANGE OF VALVE BOX TO BE FIRM & WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.

**5 TYP VALVE & BOX INSTALLATION**  
C606 NO SCALE



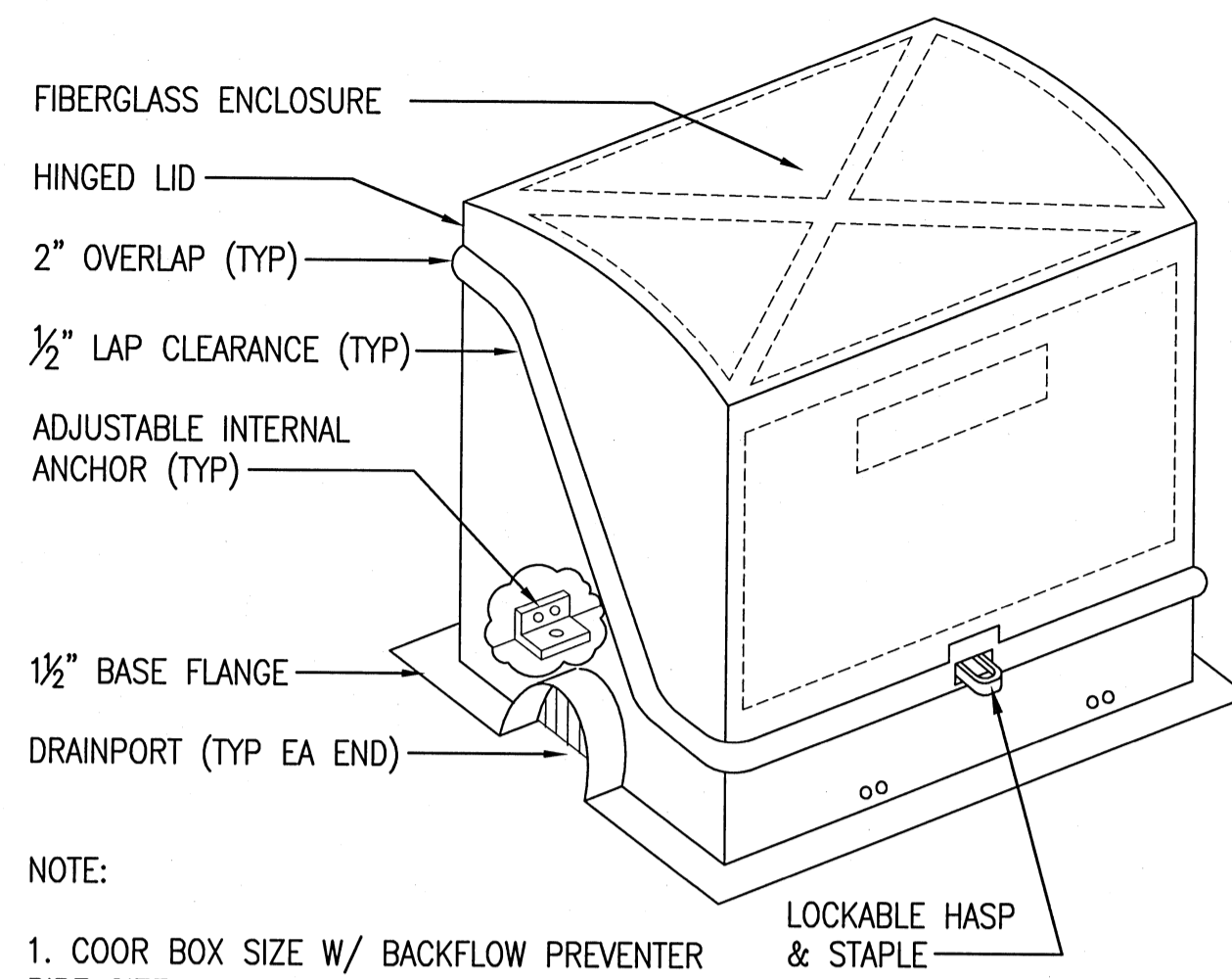
**8 FLEXIBLE PIPE BEDDING**  
C606 NO SCALE



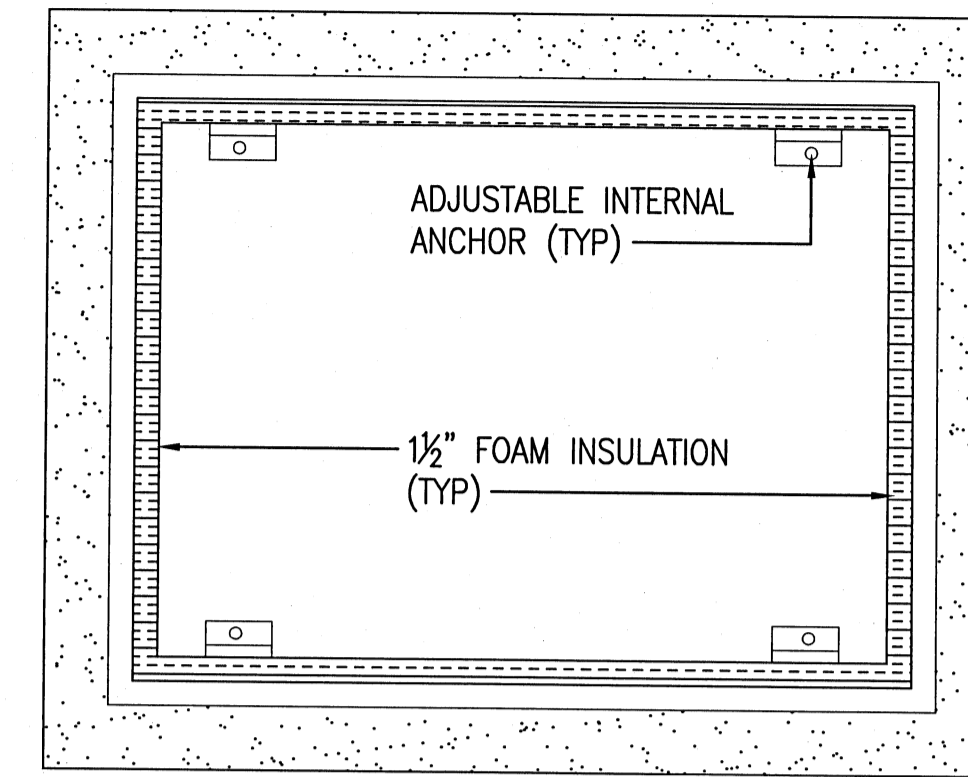
NOTE: PROVIDE 6"x6"x4" TEE W/ 4" GATE VALVE & FIRE DEPT CONNECTION ON DISCHARGE END OF BACK-FLOW PREVENTER.

PIPING ABOVE GRADE TO HAVE 2.5" CELLULAR GLASS INSULATION WITH METAL JACKET. METAL JACKET SHALL HAVE SIDE & END LAPS AT LEAST 2" WIDE WITH THE CUT EDGE OF THE SIDE LAP TURNED UNDER 1" TO PROVIDE A SMOOTH EDGE. OVERLAP THE JACKET NOT LESS THAN 2" AT LONGITUDINAL AND CIRCUMFERENTIAL JOINTS AND SECURE WITH METAL BANDS NOT MORE THAN 9" CENTERS OR WITH SCREWS AT NOT MORE THAN 5" CENTERS. OVERLAP LONGITUDINAL JOINTS DOWN TO SHED WATER. SEAL CIRCUMFERENTIAL JOINTS WITH A COATING RECOMMENDED BY THE INSULATION MANUFACTURER FOR WATERPROOFING.

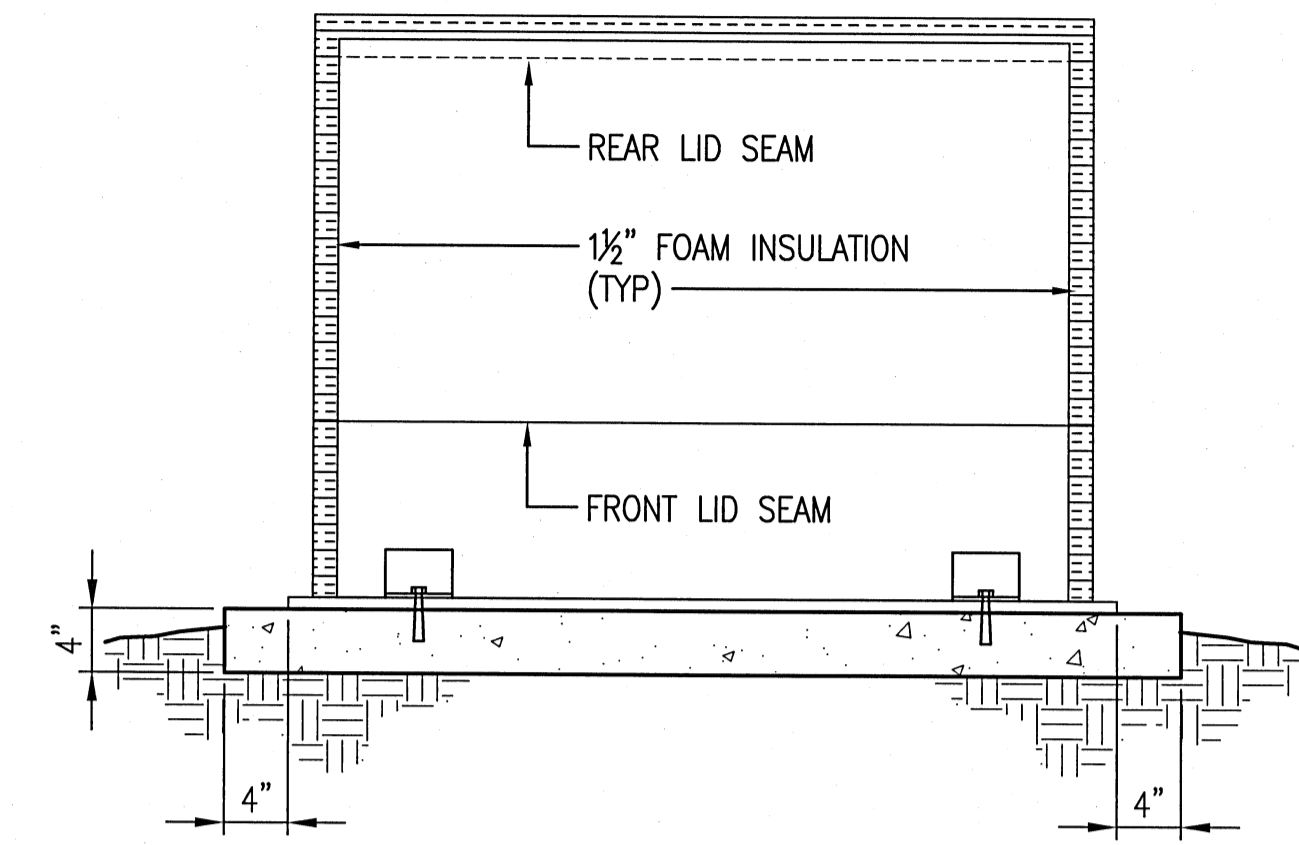
1 PRINCIPLE BACKFLOW PREVENTER W/ FDC  
C607 NO SCALE



NOTE:  
1. COOR BOX SIZE W/ BACKFLOW PREVENTER PIPE SIZE & OVERALL DIMENSIONS  
2. PAINT COLOR SHALL BE TAN OR AS APPROVED BY OWNER  
3. 1/2" INSULATION: POLYISOCYANURATE, SPRAY APPLIED & BONDED

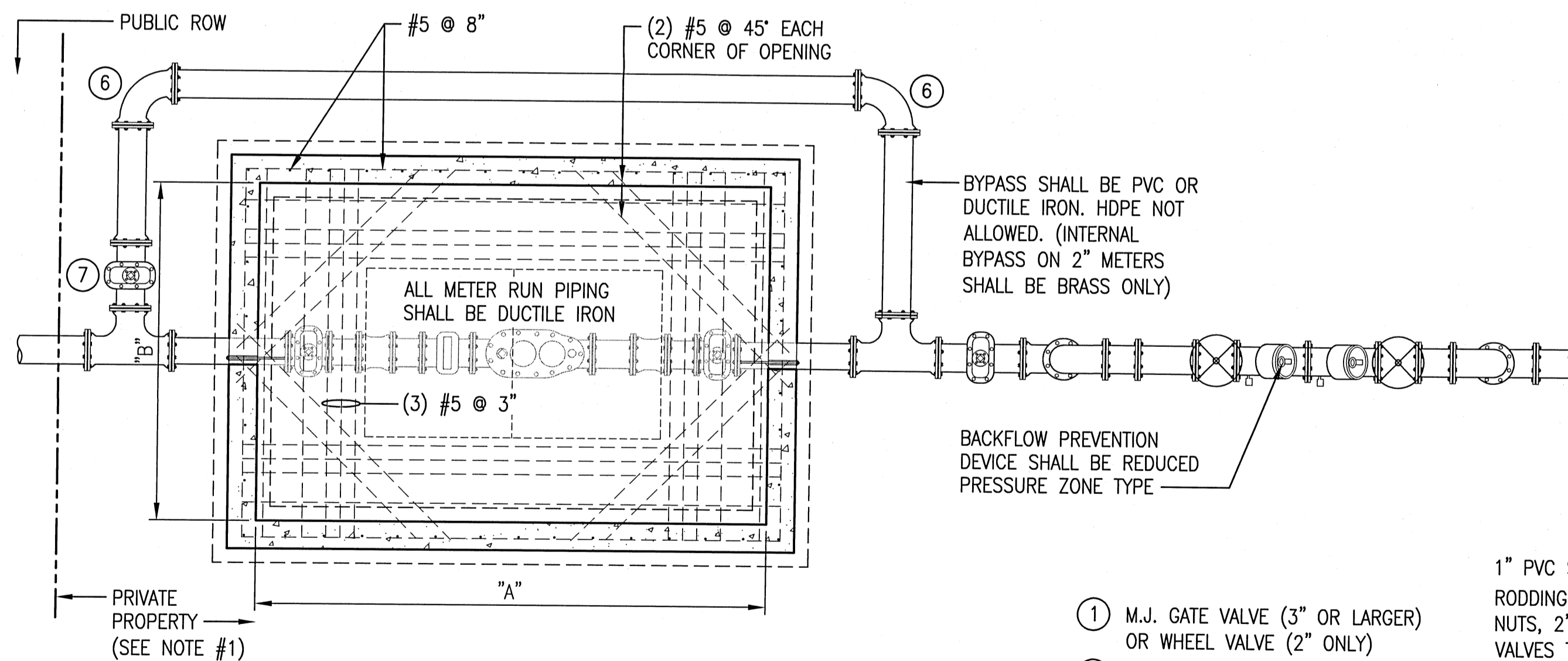


PLAN



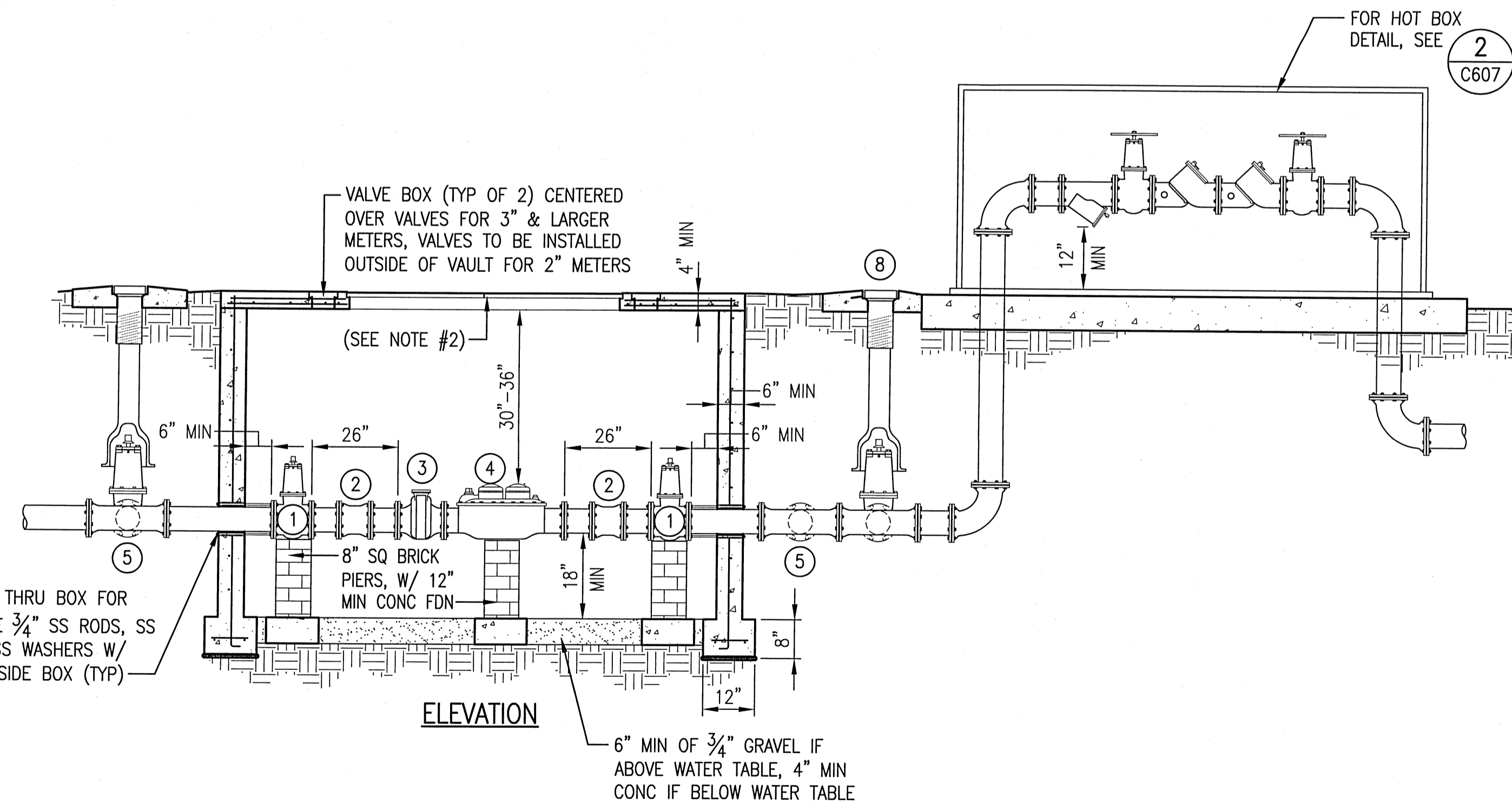
ELEVATION

2 BFP HOT BOX  
C607 NO SCALE



PLAN

- METER VAULTS ARE TYPICALLY PLACED IN EASEMENT ON PRIVATE PROPERTY ABUTTING ROW LINE (SEE ECUA ENGINEERING FOR INFORMATION). METER SHALL NOT BE FENCED IN.
- ALUMINUM OR GALVANIZED STEEL ANGLE FRAME HATCH W/ ALUMINUM DOUBLE COVER. SIZE 36"x48" FOR 2" METER VAULTS OR 36"x72" FOR 3" & LARGER METER VAULTS. NO CENTER BAR, DOORS HINGED ON OPPOSITE SHORT SIDE & OPEN TO 90° OR MORE. TYPE AHD FOR INCIDENTAL H2O RATED TRAFFIC, OR TYPE APD FOR 300 POUND PEDESTRIAN TRAFFIC USE.



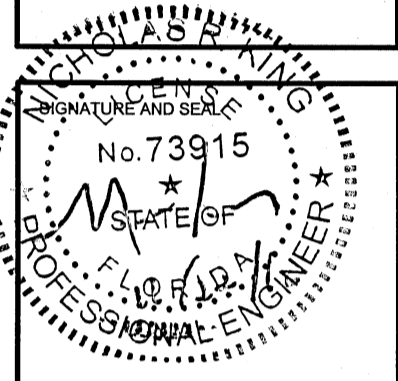
ELEVATION

- M.J. GATE VALVE (3" OR LARGER) OR WHEEL VALVE (2" ONLY)
- 12" SOLID SLEEVE (3" OR LARGER) OR DRESSER COUPLING (2" ONLY)
- STRAINER (BY ECUA)
- METER (BY ECUA)
- M.J. TEE
- M.J. ELBOW 90°
- M.J. GATE VALVE & BOX
- OWNER CONTROL GATE VALVE

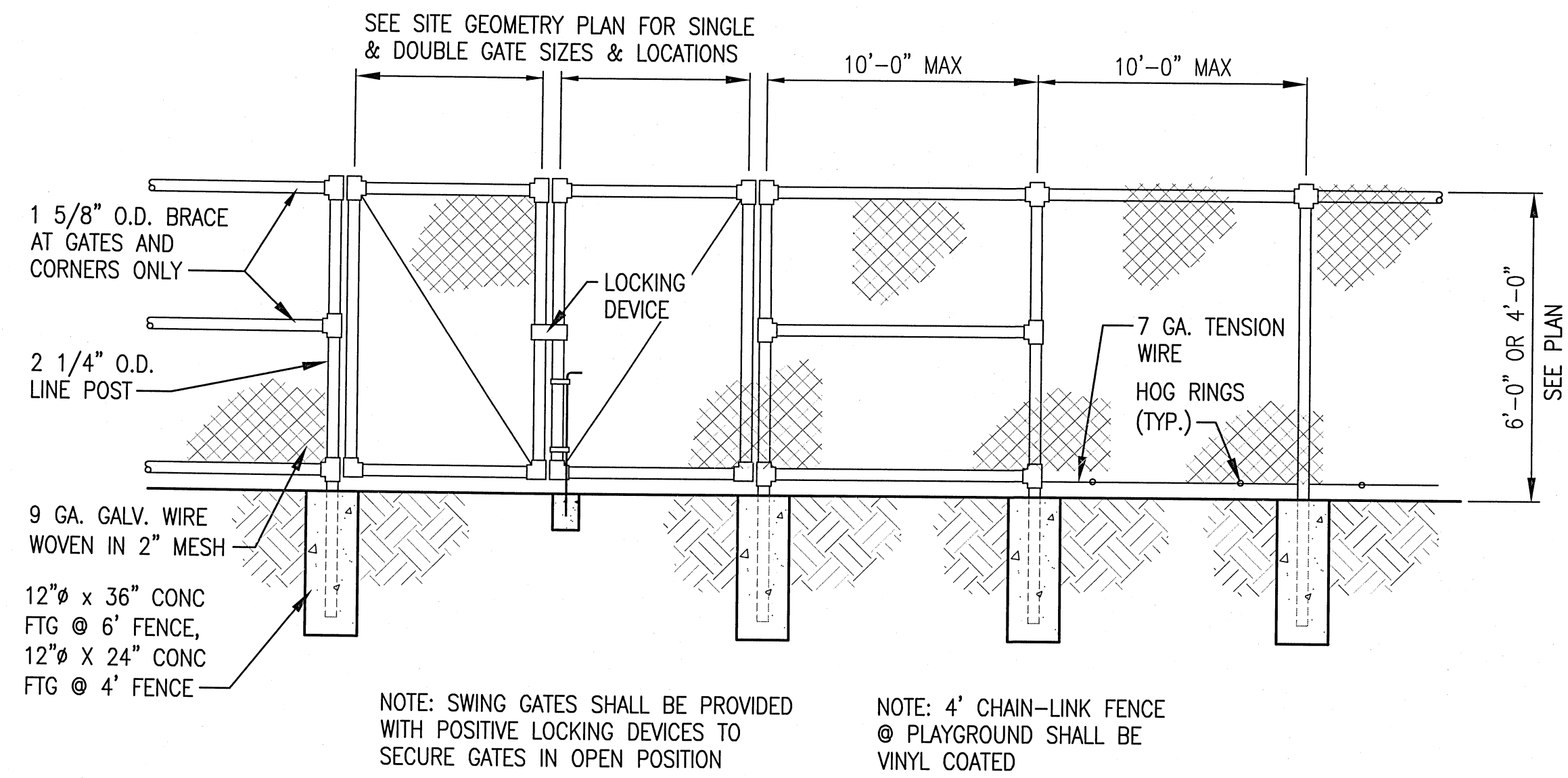
METER SIZE	METER BOX (INSIDE DIM)	
	"A"	"B"
2"	6'-6"	4'-6"
3"	9'-0"	4'-6"
4"	9'-0"	5'-0"

ALL WORK SHALL CONFORM TO ECUA'S STANDARD SPECIFICATIONS LATEST EDITION

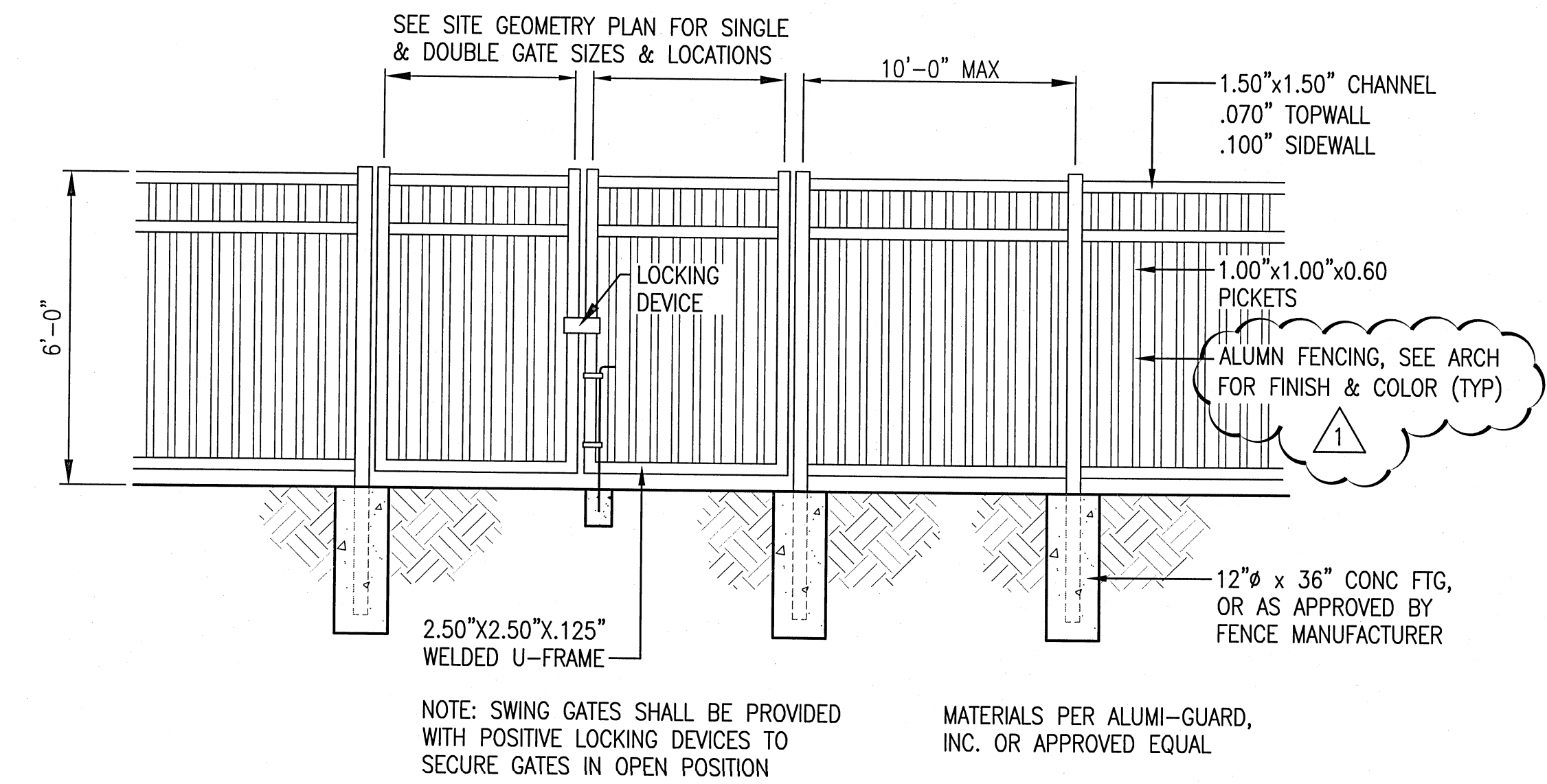
3 2", 3", & 4" METER VAULT  
C607 NO SCALE



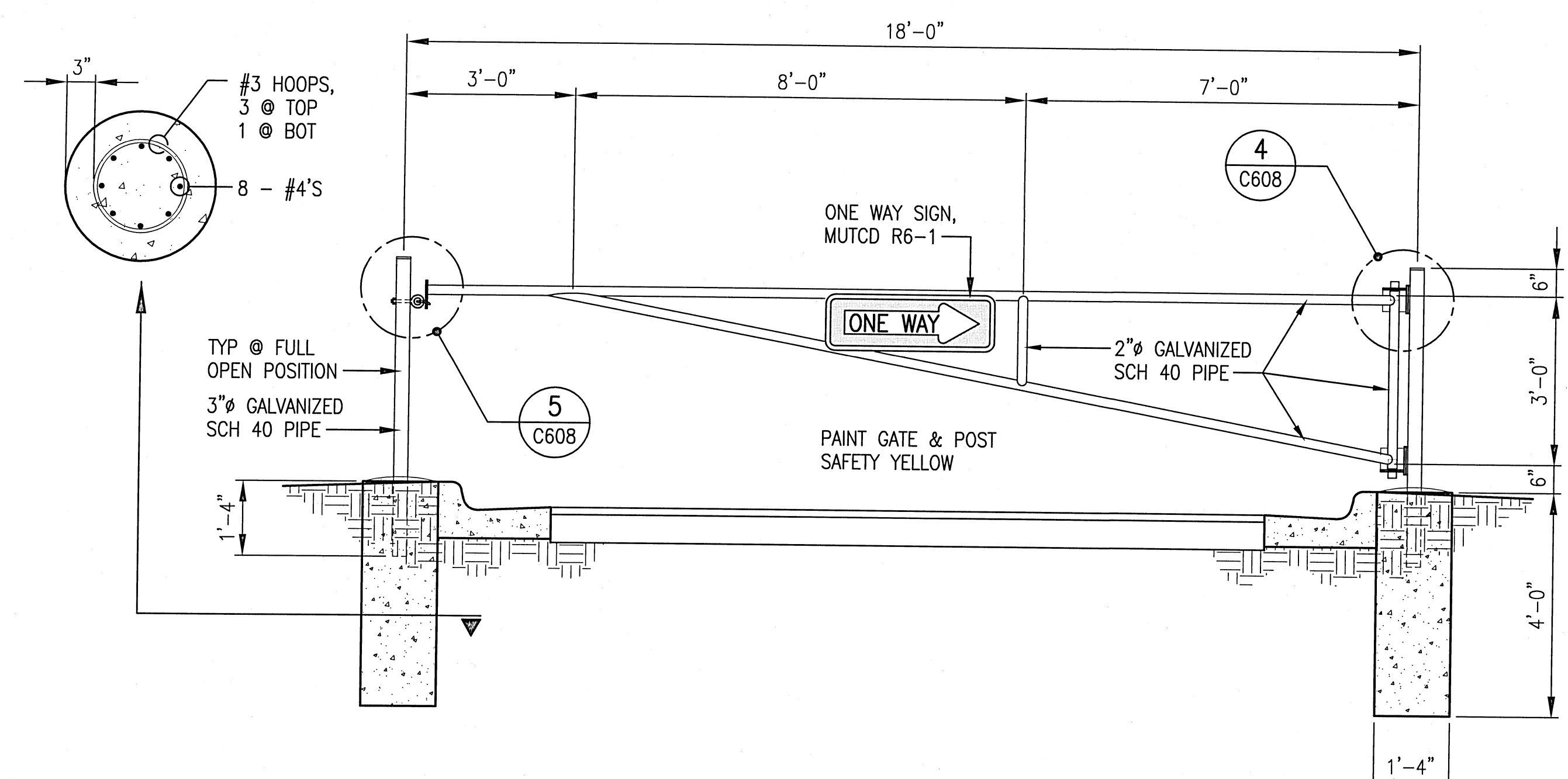
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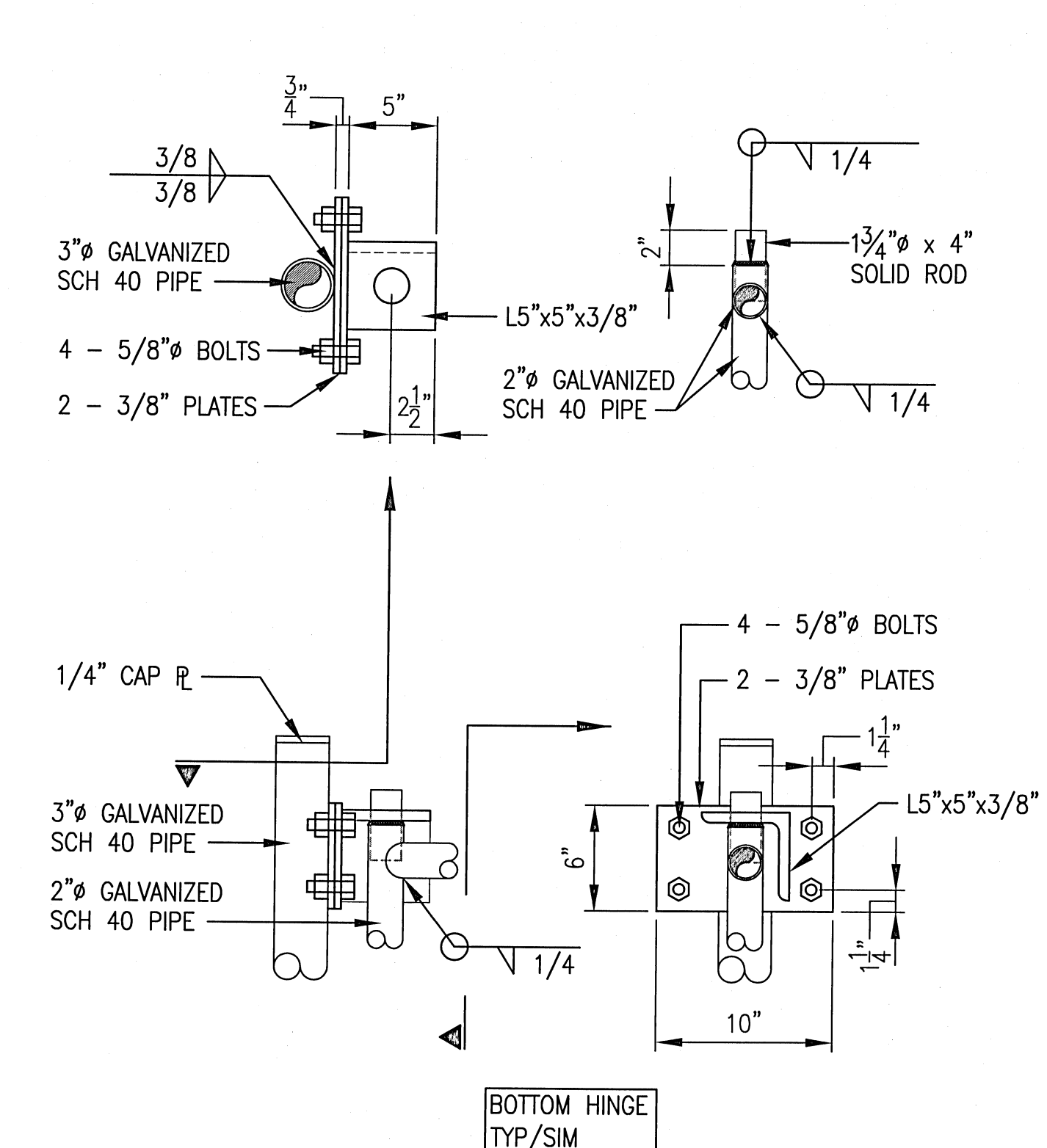
**1** 6' & 4' CHAIN-LINK FENCE & GATE  
C608 NO SCALE



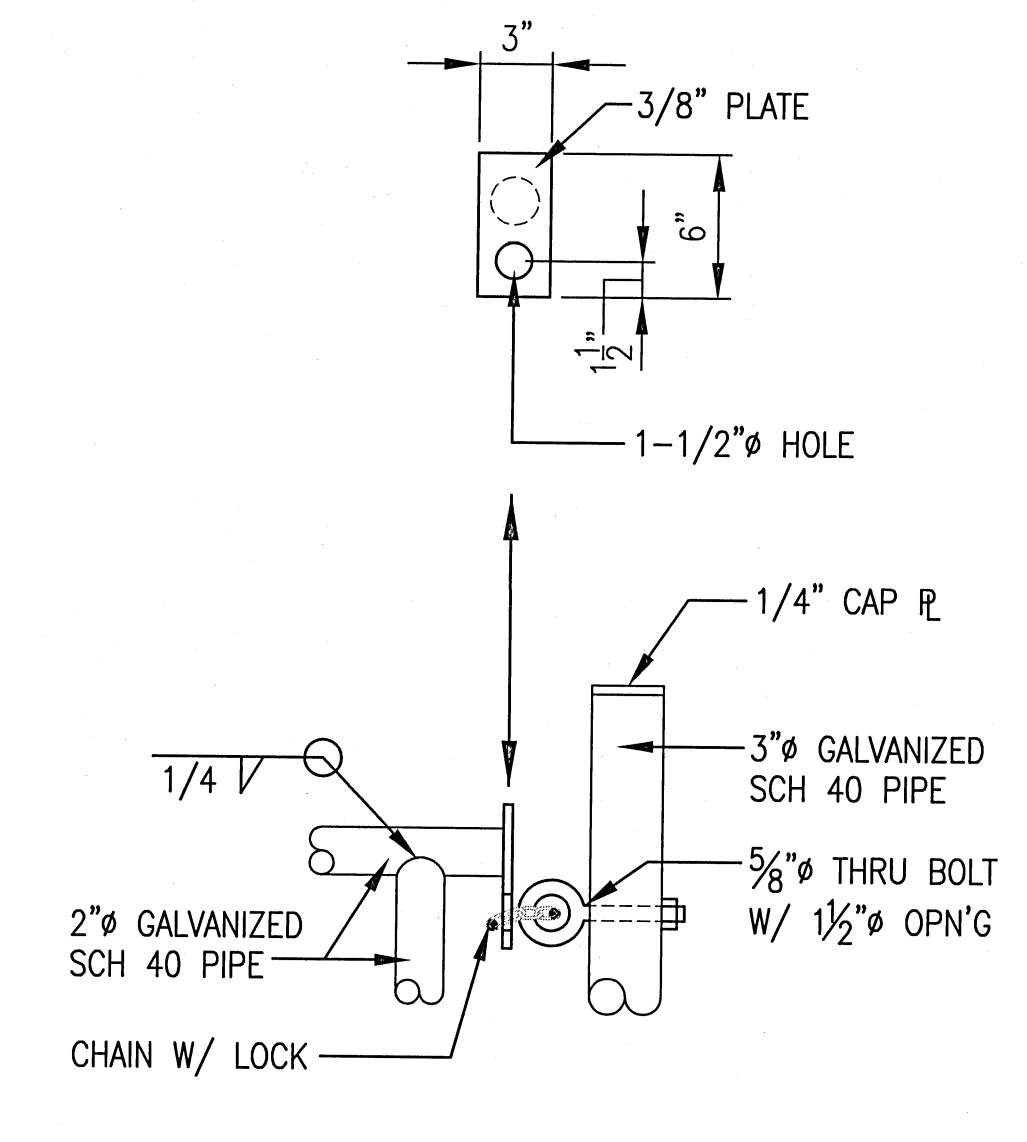
**2** 6' ALUMINUM DECORATIVE FENCE & GATE  
C608 NO SCALE



**3** ARM GATE ELEVATION  
C608 1/2\"/>



**4** HINGE DETAIL  
C608 1-1/2\"/>

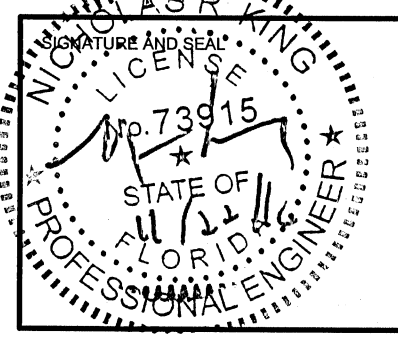


**5** DETAIL  
C608 1-1/2\"/>

**KH&A** Kenneth Horne & Associates, Inc.  
CIVIL ENGINEERS  
PO BOX 10669, PENSACOLA, FLORIDA 32524  
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Fax: 850.432.5208  
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FAST TRACK CIVIL FOR CONSTRUCTION SET  
12 SEPT 2016



KINGSFIELD ELEMENTARY SCHOOL - P3  
900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

REVISIONS:	
1	10/21/2016

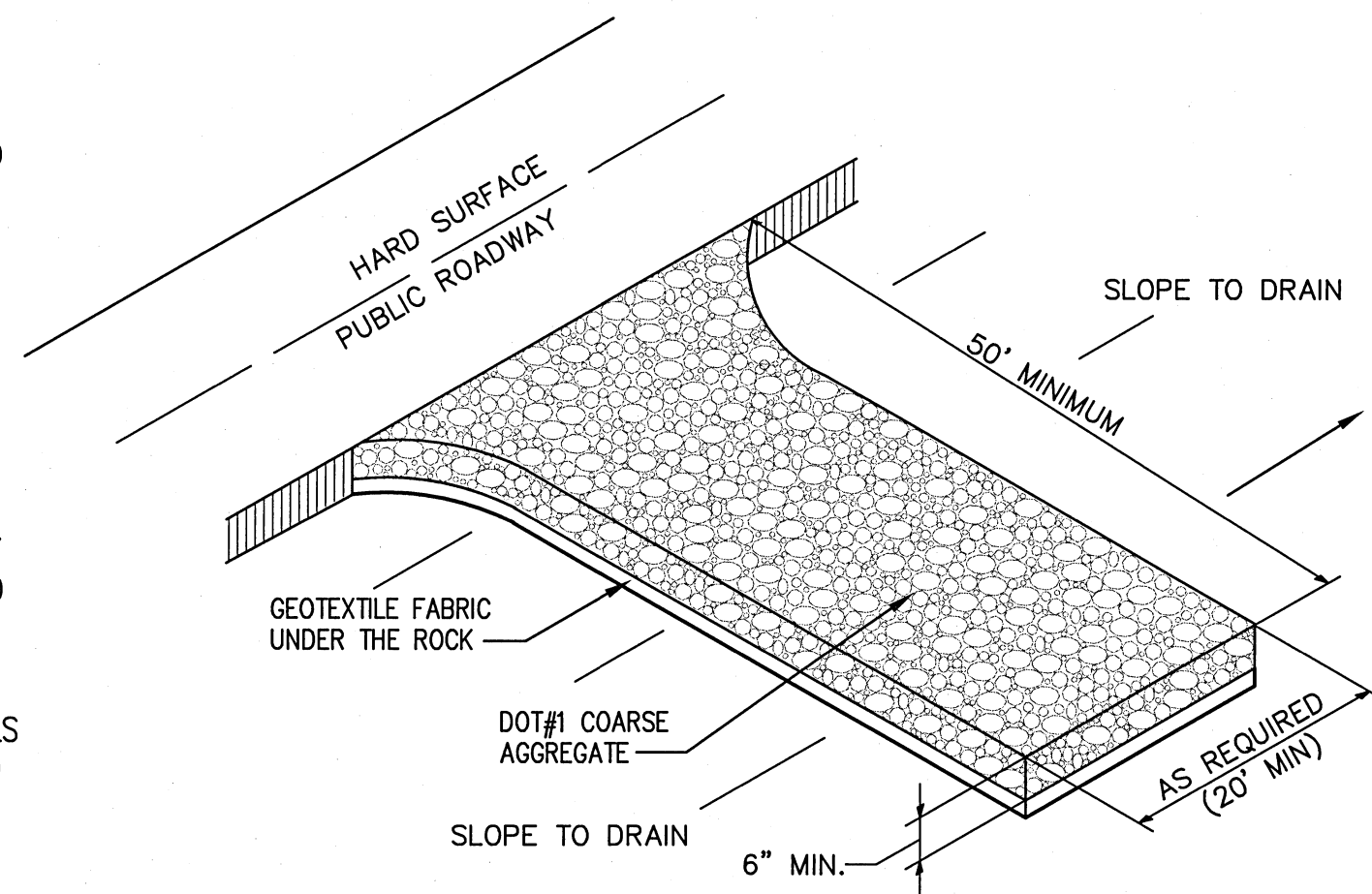
BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
SECTIONS & DETAILS

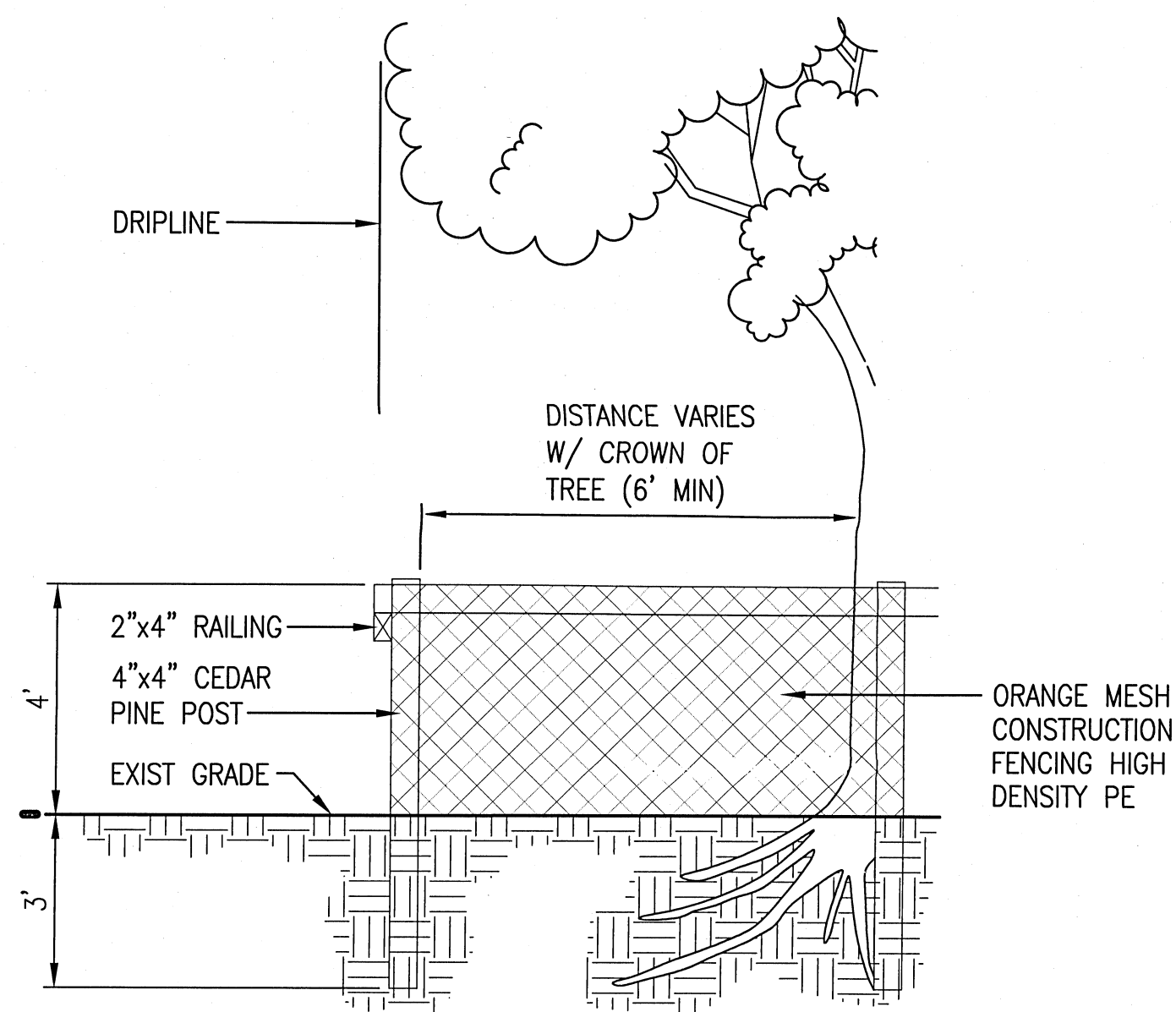
SHEET:  
C-608

**CONSTRUCTION ENTRANCE NOTES:**

1. THE AREA OF THE CONSTRUCTION ENTRANCE SHALL BE EXCAVATED 6 INCHES DEEP, 50 FEET LONG AND SHALL EXTEND THE FULL WIDTH OF ANY VEHICULAR INGRESS AND EGRESS (MINIMUM 20 FEET) LOCATED ON THE SITE.
2. THE ENTRANCE SHALL BE PROPERLY MAINTAINED FOR THE DURATION OF THE PROJECT TO PREVENT THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MAINTENANCE AND REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE ENTRANCE SHALL BE CHECKED ON A DAILY BASIS AND BEFORE & AFTER ANY RAINFALL EVENT FOR ANY DAMAGES. ANY DAMAGES FOUND SHALL BE REMEDIATED BEFORE THE DAYS END AT NO ADDITIONAL COST TO OWNER.
4. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT THE FLOW OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY.
5. MEASURES SHALL BE TAKEN TO PREVENT VEHICULAR TRAFFIC FROM BYPASSING THE CONSTRUCTION ENTRANCE DURING INGRESS AND EGRESS.
6. REMOVE & RESTORE W/ SOD AFTER COMPLETION OF CONSTRUCTION



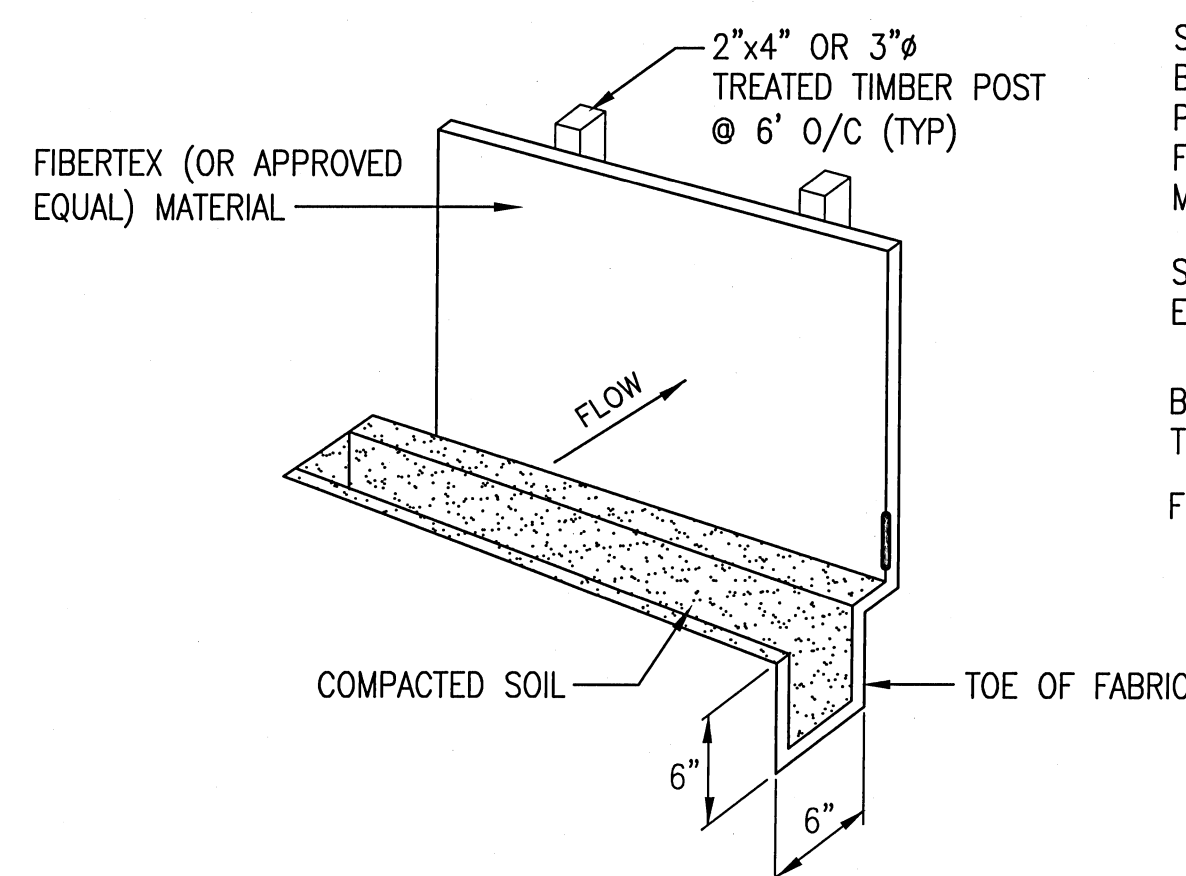
**1 TEMPORARY CONSTRUCTION ENTRANCE DETAIL**  
C609 NOT TO SCALE



**TREE PROTECTION NOTES:**

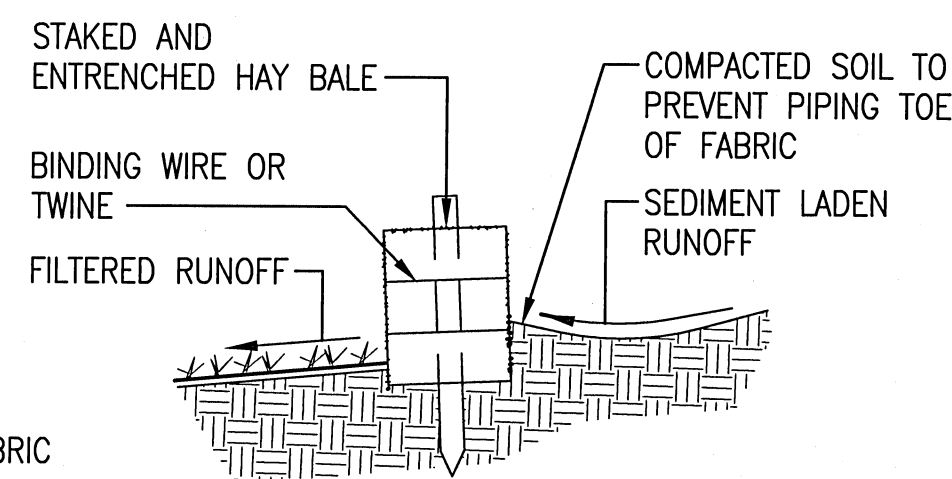
1. DURING DEVELOPMENT ACTIVITIES, PROTECTED TREES SHALL BE PROTECTED FROM ACTIVITIES WHICH MAY INJURE OR KILL THEM.
2. WITHIN THE DRIP LINE, THERE SHALL BE NO STORAGE OF FILL OR COMPACTION OF THE SOIL AS FROM HEAVY EQUIPMENT, OR ANY SPILLING, STORAGE OR DISPOSAL OF CONCRETE, MORTAR, PAINT, SOLVENTS, CHEMICALS, OR OTHER POTENTIALLY HARMFUL SUBSTANCES.
3. ALL TREES TO BE PROTECTED SHALL BE PROTECTED BY MEANS OF A PHYSICAL BARRIER WHICH WILL LIMIT ACCESS TO SAID TREE. SAID PROTECTIVE BARRIER SHALL BE COMPOSED OF WOOD OR OTHER SUITABLE MATERIALS WHICH ASSURE COMPLIANCE WITH THE INTENT OF THIS ORDINANCE. SAID PROTECTIVE BARRIERS, WHERE REQUIRED, SHALL REMAIN UNTIL SUCH TIME AS CONSTRUCTION IS COMPLETE. A MINIMUM OF ONE HUNDRED (100) PERCENT OF THE AREA WITHIN THE DRIP LINE SHALL BE SO PROTECTED.
4. TREE BARRICADES & TREE PROTECTION MEASURES SHALL BE IN PLACE PRIOR TO SITE CONSTRUCTION ACTIVITIES & REMAIN UNTIL SITE WORK IS COMPLETED & STABILIZED.

**2 TREE BARRICADE DETAIL**  
C609 NO SCALE

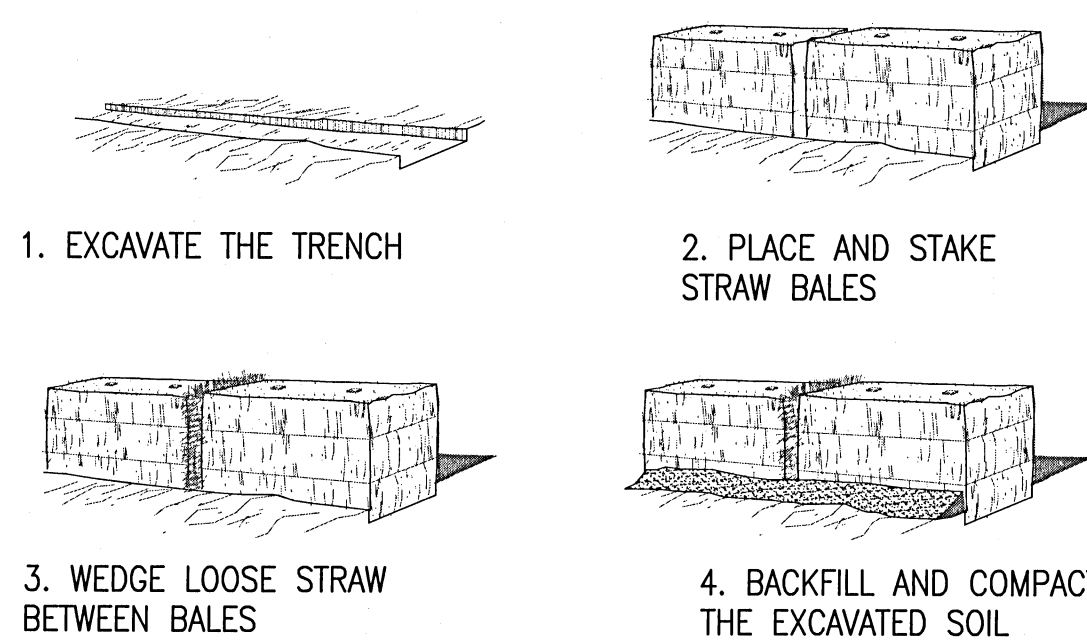


**SILT FENCE DETAIL**

SILT SCREEN OR STAKED HAY BALE SILT BARRIERS SHALL BE INSTALLED BEFORE CLEARING, GRADING OR OTHER CONSTRUCTION ACTIVITIES ARE INITIATED. PROVIDE TEMPORARY SWALES TO ASSURE THAT ALL STORM WATER DISCHARGES FLOW THROUGH SILT BARRIERS. BARRIERS TO REMAIN IN PLACE AND BE MAINTAINED UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED



**DETAIL OF PROPERLY INSTALLED HAY BALE**



**CONSTRUCTION OF A STRAW BALE BARRIER**

**3 EROSION CONTROL DETAILS**  
C609 NO SCALE

**STORMWATER POLLUTION PREVENTION PLAN GENERAL NOTES:**

1. EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.
3. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
4. SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
6. SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
7. THE SITE SHALL ALWAYS BE GRADED AND MAINTAINED SUCH THAT STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.
9. THE CONTRACTOR'S MEANS AND METHODS OF GROUNDWATER DEWATERING SHALL COMPLY WITH REGULATORY REQUIREMENTS FOR THE TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE, INCLUDING FDEP CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY".

**DUST CONTROL:**

1. AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.
2. CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 102-5, LATEST EDITION.

**PROPOSED SEQUENCE OF CONSTRUCTION:**

CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:

1. INSTALLATION OF SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.
2. CLEAR AND REMOVE EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. REMAINING VEGETATION IS TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE.
3. IMMEDIATE INSTALLATION OF REMAINING SEDIMENT AND EROSION CONTROL DEVICES.
4. INITIATE CONSTRUCTION.
5. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE.
6. REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.

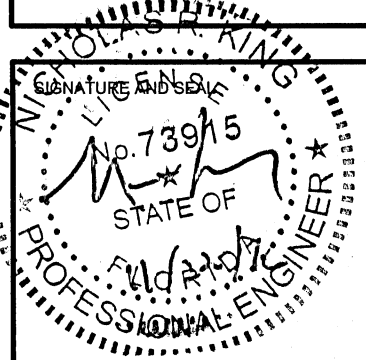
**EROSION AND SEDIMENTATION CONTROL NOTES:**

1. SILT FENCE SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT FENCES TIGHTLY ABUTTING ONE ANOTHER PRIOR TO EARTHWORK OPERATIONS.
2. THE SILT FENCE BARRIER SHALL BE ENTRENCHED AND BACK FILLED. A TRENCH SHALL BE EXCAVATED THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 6 INCHES. THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER. BACK FILL SOIL SHALL CONFIRM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP TO 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER.
3. SILT FENCE BARRIER SHALL BE SECURELY ANCHORED.
4. SILT FENCE BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
5. SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
6. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE, END RUNS AND UNDERCUTTING BENEATH FENCE.
7. NECESSARY REPAIRS TO SILT FENCE BARRIERS OR REPLACEMENT OF FENCE SHALL BE ACCOMPLISHED PROMPTLY.
8. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE BARRIER.
9. SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SODDED.



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FAST TRACK CIVIL FOR CONSTRUCTION SET  
12 SEPT 2016



KINGSFIELD ELEMENTARY SCHOOL - P3  
900 WEST KINGSFIELD ROAD  
CANTONMENT, FLORIDA 32533

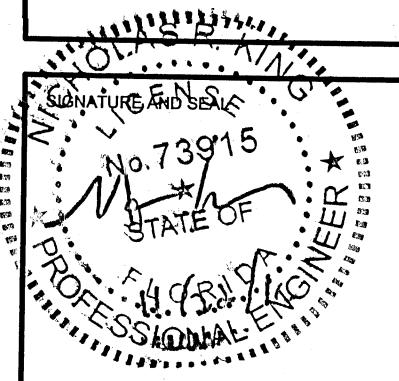
REVISIONS:


BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
SECTIONS & DETAILS

SHEET:  
C-609

**KH&A** Kenneth Horne & Associates, Inc.  
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PO BOX 10669, PENSACOLA, FLORIDA 32524  
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REVISIONS:


BITA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
LIFT STATION DETAILS

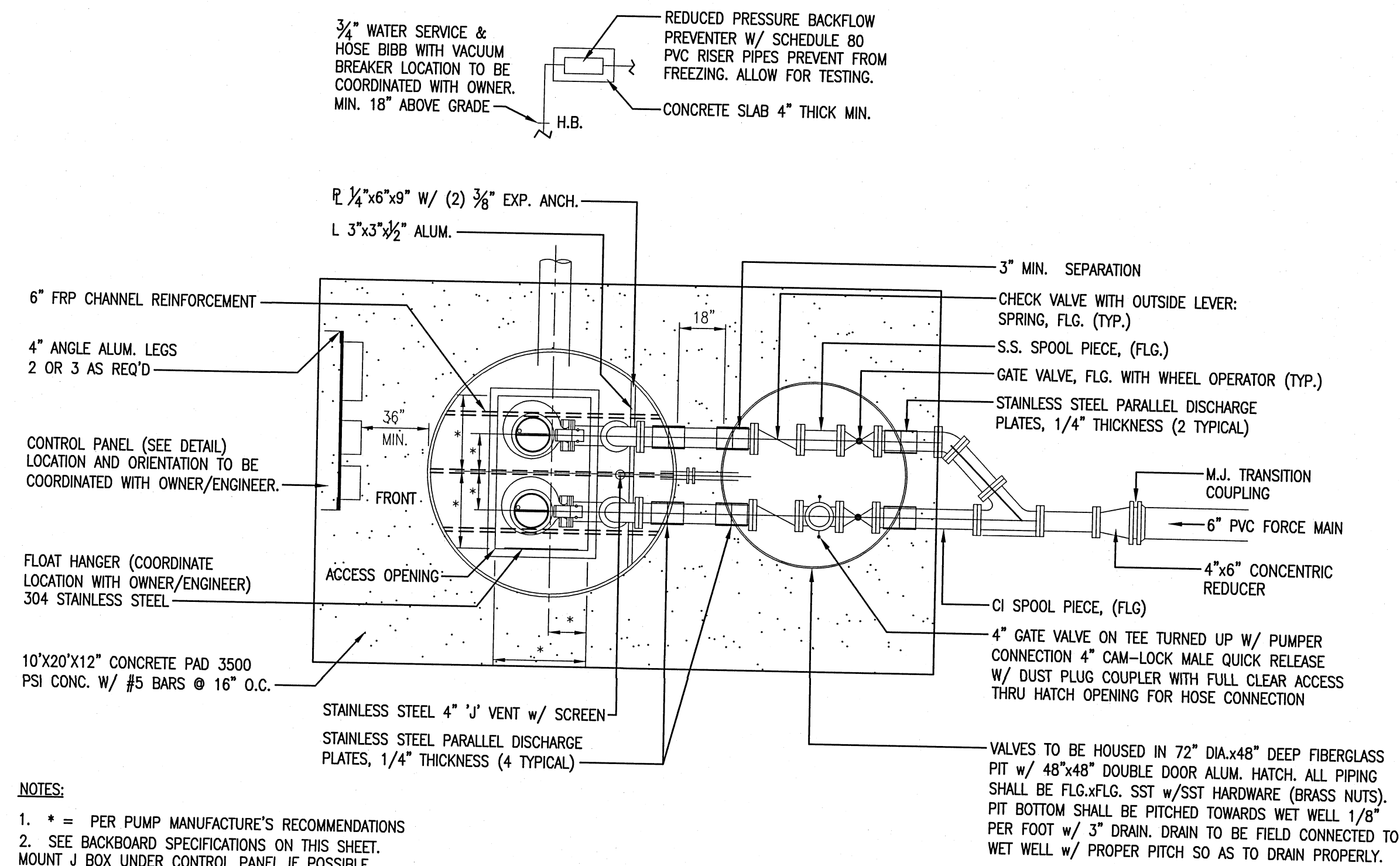
SHEET:  
C-701

1. VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN. CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES.
2. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE OR NON-SHRINK SEALANT.
3. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
4. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE. SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE ENGINEER. DIMENSIONS DEPICTED ARE MINIMUM SIZE.
5. PUMPS OPERATING CONDITIONS SHALL BE 265 GPM AT 38 FEET TDH.
6. ALL HARDWARE IN WET WELL AND VALVE BOX TO BE STAINLESS STEEL ASSEMBLED WITH ANTI-SEIZE. BOLT HARDWARE SHALL BE SST w/BRONZE NUTS.
7. ALL CONDUIT CONNECTING TO THE CONTROL PANEL WILL HAVE A WEATHER PROOF CONDUIT BODY.
8. PROVIDE CROUSE-HINDS TYPE ESUF OR EQUAL FILLED WITH NON-HARDENING COMPOUND.
9. SURGE SUPPRESSOR SHALL BE CONNECTED TO THE MAIN POWER SUPPLY.
10. A STABILIZED / LEVEL DRIVE TO THE STATION WILL BE PROVIDED.
11. ENCLOSURES SHALL BE NEMA 4X SS.
12. ALL CONDUCTORS TO BE COPPER.
13. CONTROL PANEL TO HAVE WIRING SCHEMATIC PERMANENTLY AFFIXED TO INSIDE OF DOOR.
14. ALL WIRE TO JUNCTION BOX TO BE NUMBERED AT BOTH ENDS.
15. THE CONTRACTOR SHALL AT THE TIME OF START-UP, ATTACH AN EMERGENCY GENERATOR TO THE CONTROL PANEL TO CHECK FOR THE PROPER OPERATION AND CORRECT ROTATION.
16. ALL WET WELL & VALVE BOX PIPING AND FITTINGS SHALL BE 316 STAINLESS STEEL SCH 40 WITH WELDED FLANGES.
17. WET WELL SHALL MEET ASTM SPECIFICATION D3753.
18. POST UNOBSTRUCTED SIGN FOR EMERGENCY CONTACT ON CHAINLINK FENCE AROUND LIFT STATION.
19. THE WET WELL MUST HAVE A "SERIAL NUMBER" PRINTED ON THE TANK IN PLAIN SITE AFTER BEING INSTALLED. A COPY OF THIS SERIAL NUMBER AND A CERTIFICATE OF "A.S.T.M" COMPLIANCE MUST BE INCLUDED WITH OTHER EQUIPMENT OPERATION & MAINTENANCE MANUALS.
20. THE WET WELL & VALVE PIT SHALL BE CONSTRUCTED OF FIBERGLASS WITH ALL PIPING BEING WELDED FLANGED SCH.40 SST.
21. THE PUMPS RAIL SYSTEM BASE ELBOWS MUST BE INSTALLED AND INCLUDE A 1/4" THICK SST BACKING PLATE WITH THE STUDS WELDED IN PLACE.
22. THE WET WELL & VALVE PIT STRUCTURES MUST HAVE TEN (10) YEAR WRITTEN WARRANTIES. A COPY OF THE WARRANTY MUST BE INCLUDED WITH SUBMITTAL DATA.
23. WET WELL AND VALVE PIT SHALL BE FULLY INTEGRATED WITH CONTINUOUS SLAB TO RESIST FLOTATION UNDER FULLY SATURATED CONDITIONS.
24. ELECTRICAL SERVICE TO BE 240V 3 PHASE.

ESCAMBIA COUNTY SCHOOL DISTRICT  
SANITARY SEWER LIFT STATION  
AUTHORIZED PERSONNEL ONLY  
IN CASE OF EMERGENCY CONTACT  
DAYTIME: 850-469-5585  
AFTER HOURS: 850-554-4221

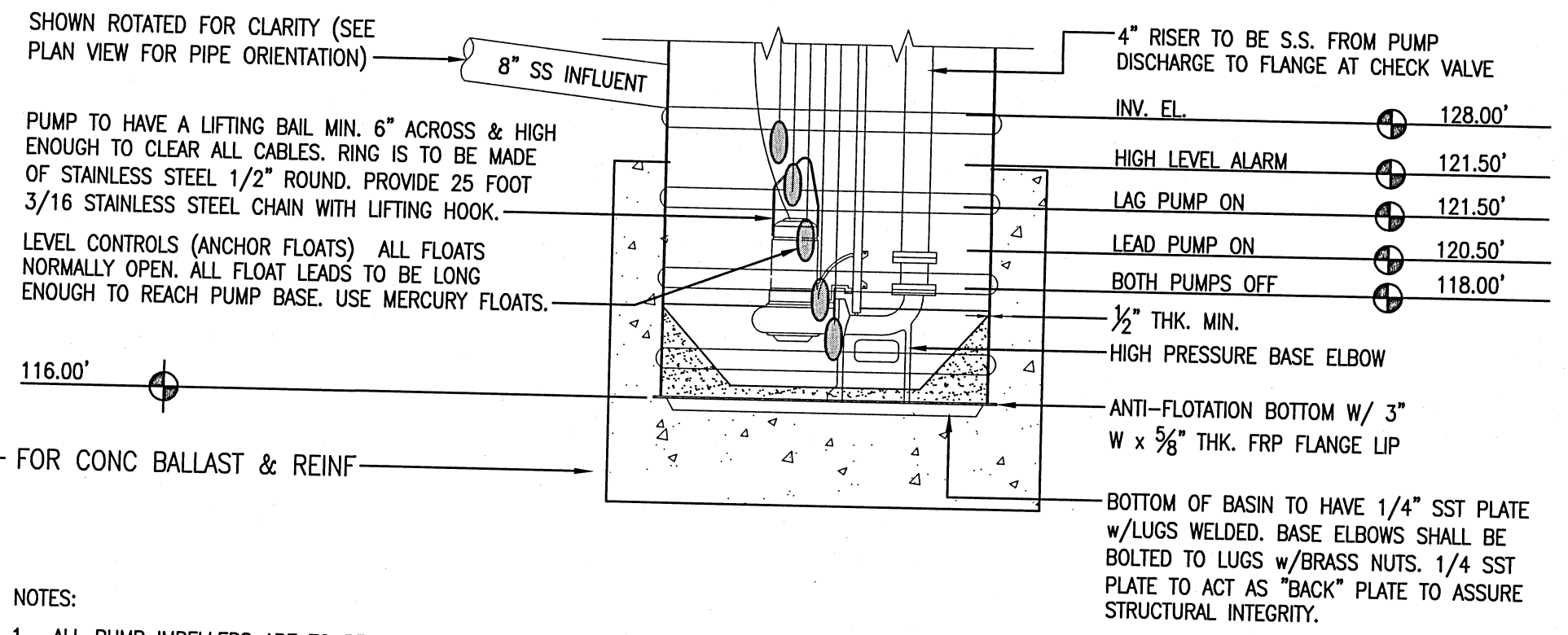
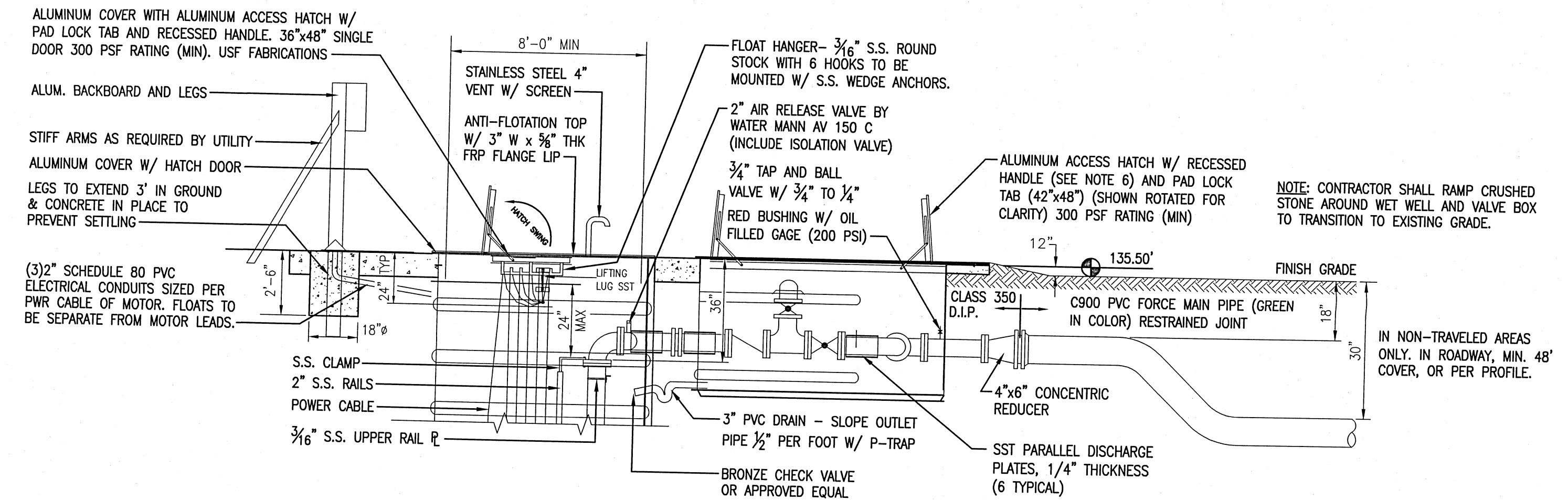
24"x18" 040 ALUMINUM  
SIGN WITH 1" LETTERS

LIFT STATION SIGN  
NO SCALE



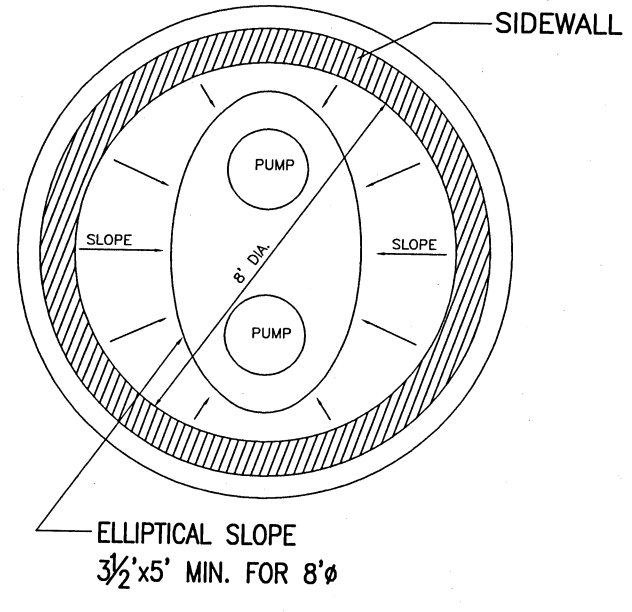
- NOTES:
1. \* = PER PUMP MANUFACTURE'S RECOMMENDATIONS
  2. SEE BACKBOARD SPECIFICATIONS ON THIS SHEET. MOUNT J BOX UNDER CONTROL PANEL IF POSSIBLE
  3. MAIN DISC. TO HAVE LOCK "ON" AND "OFF" MEANS.

LIFT STATION PLAN  
NO SCALE

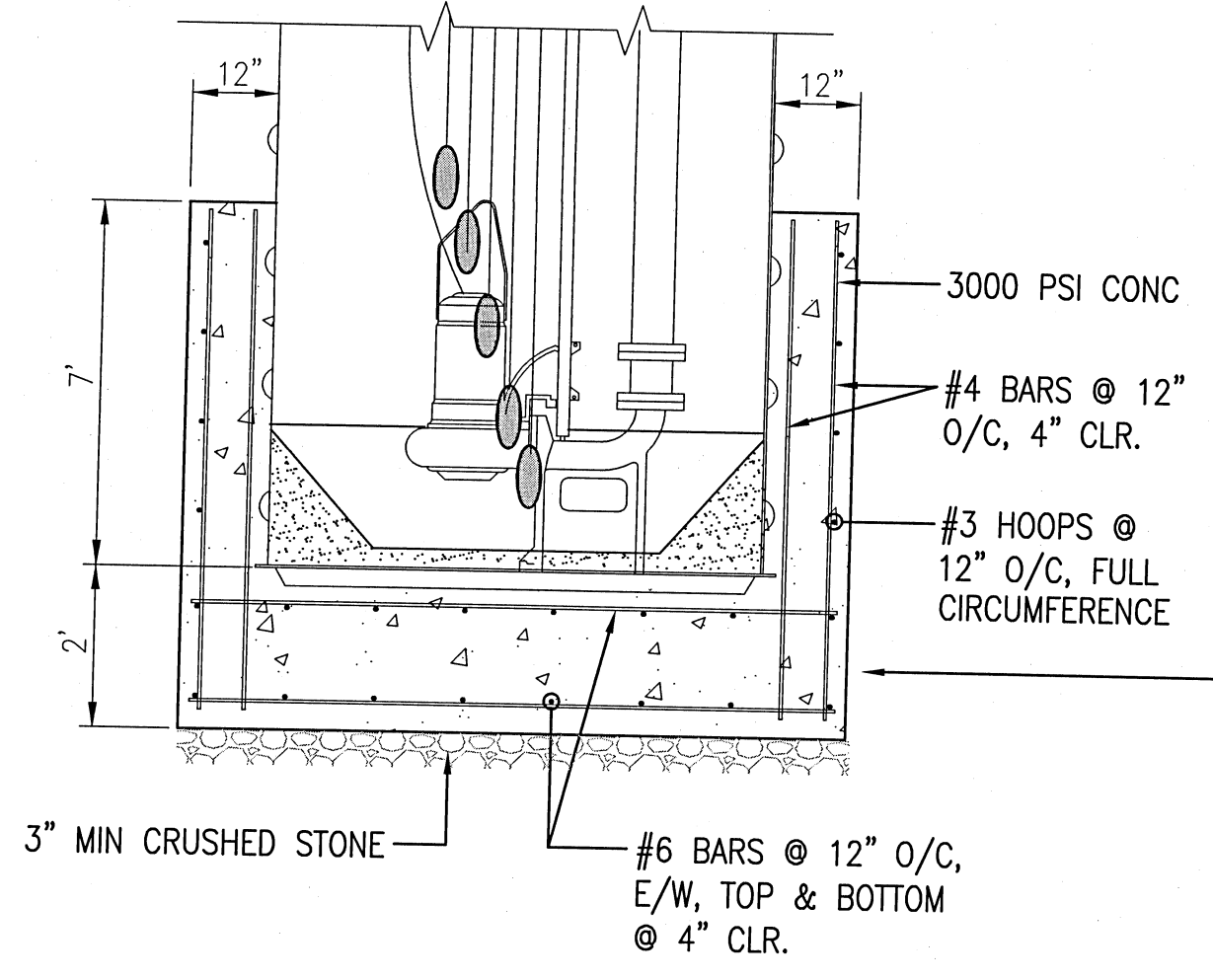


- NOTES:
1. ALL PUMP IMPELLERS ARE TO BE SIZED TO MOTOR LOAD AND TO PUMP HEAD PRESSURE AT ACCEPTABLE SPEED. FINAL HEAD TO BE VERIFIED BY UTILITY BEFORE BID SUBMITTAL.
  2. ADJUST WETWELL INVERT ELEVATION PER PUMP SUBMITTAL DATA UNDER ENGINEER'S DIRECTION.
  3. PROVIDE COMPLETE SUBMITTAL TO INCLUDE PUMP CURVES BASIN LAY-OUT & MATERIALS OF CONSTRUCTION. SUBMITTAL MUST BE ALL "INCLUSIVE".

LIFT STATION SECTION  
NO SCALE



LIFT STATION BASE PLAN  
NO SCALE



3000 PSI CONC  
#4 BARS @ 12" O/C, 4" CLR.  
#3 HOOPS @ 12" O/C, FULL CIRCUMFERENCE  
#6 BARS @ 12" O/C, E/W, TOP & BOTTOM @ 4" CLR.

1  
C701  
LIFT STATION  
NO SCALE

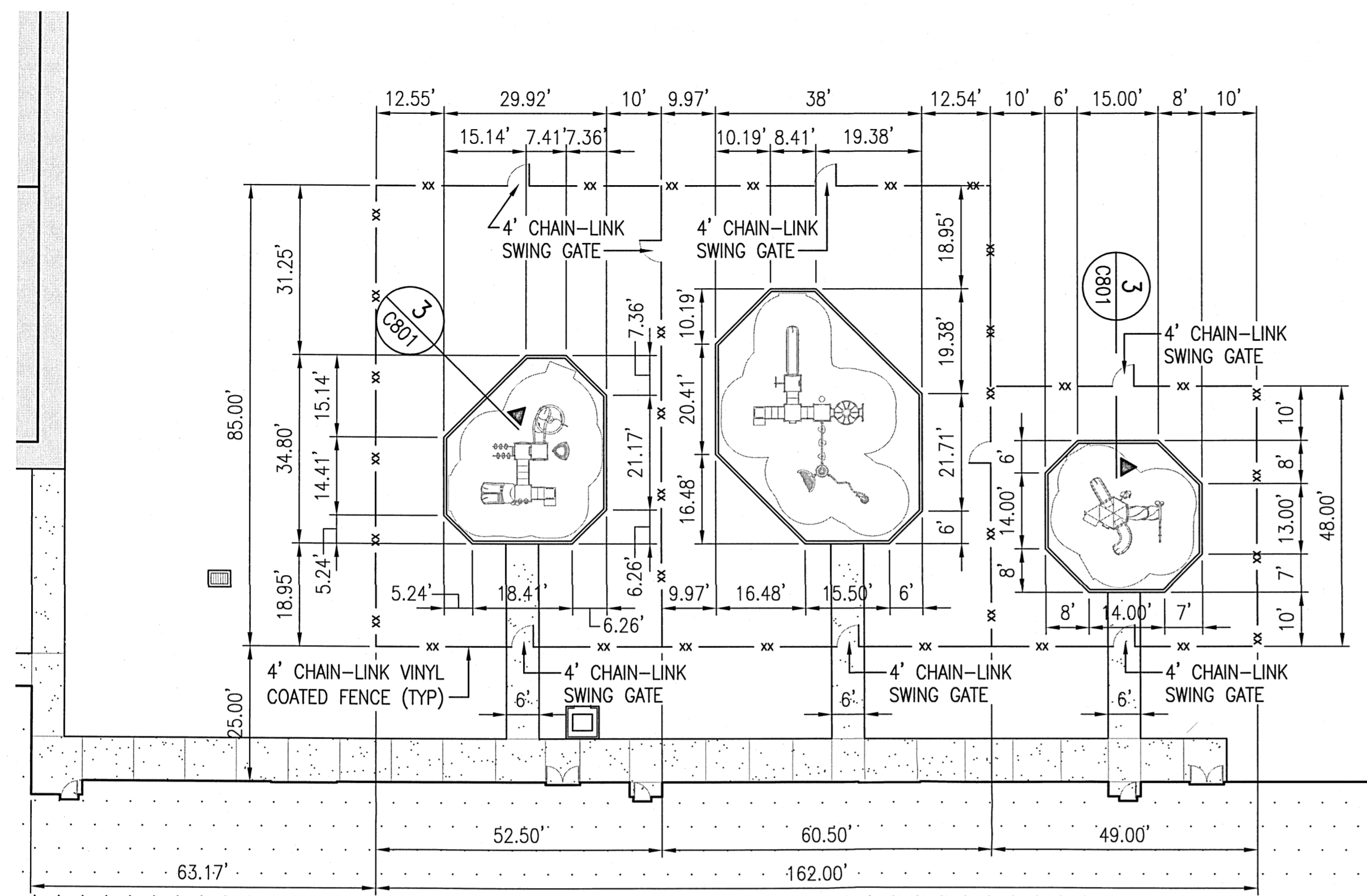
NW ELEMENTARY SCHOOL LIFT STATION

PUMP INFORMATION:

MANUFACTURER	HYDROMATIC
TYPE PUMP	NON-CLOG
MODEL NO.	H4HX
CAPACITY (GPM - TDH)	225GPM-@-81FT
IMPELLOR SIZE & NO.	9.50"
DISCHARGE PIPE SIZE	4"
HP. - RATED RPM	15.0-1750
VOLT/PHASE	230V-3PH

PUMP DISCHARGE SHALL BE CENTERLINE ONLY, NO TANGENTIAL DISCHARGE ALLOWED. IMPELLOR TO BE HARDENED METAL CONSTRUCTION. SEE PROJECT MANUAL SPECIFICATION 2540 FOR COMPLETE PUMP SPECIFICATIONS..

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(850) 471-9005 INFO@KH-A.COM FAX (850) 471-0093

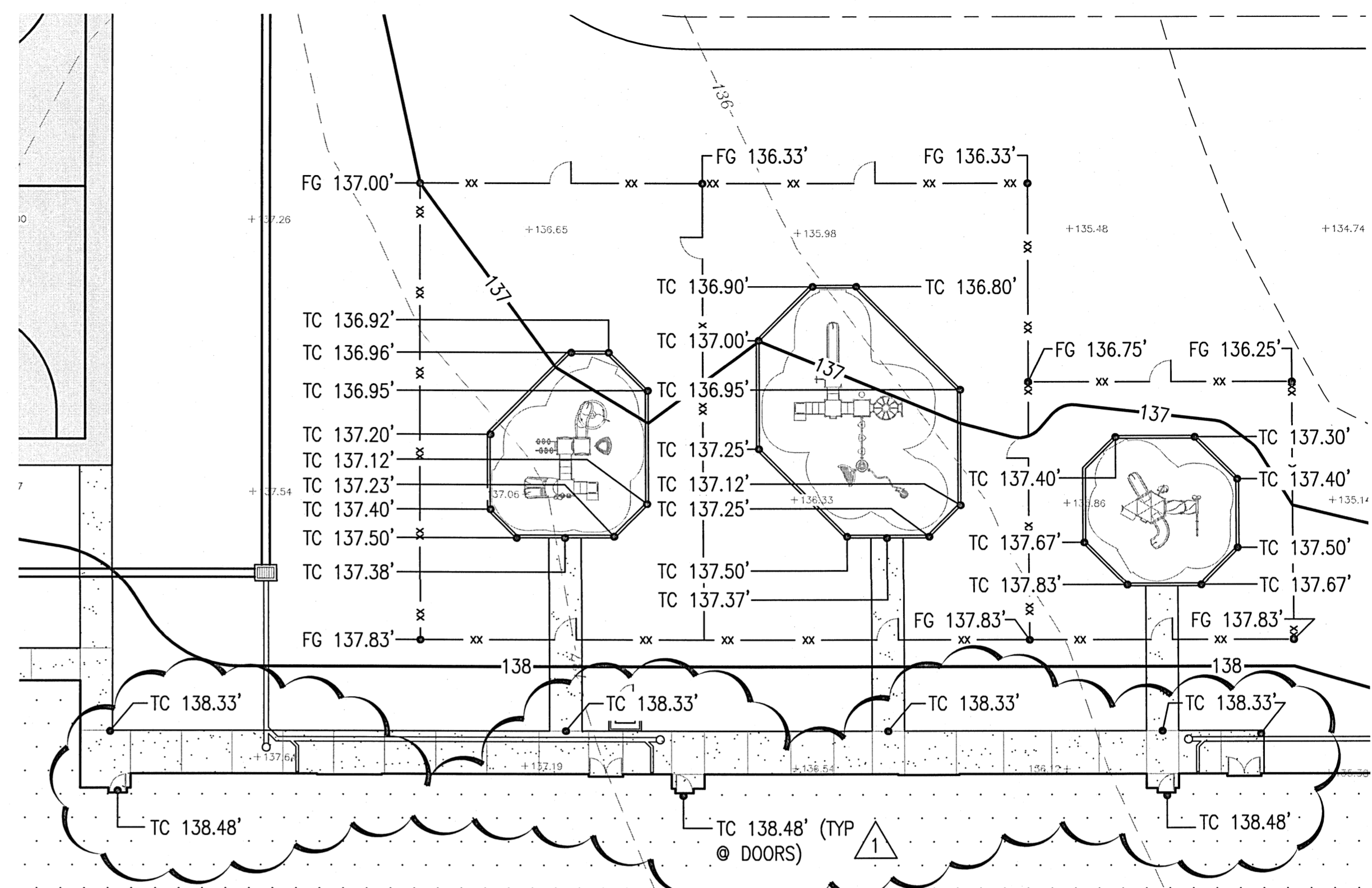
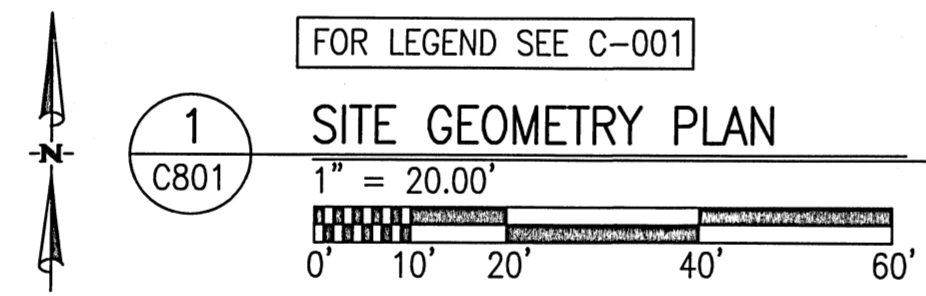


ADDITIVE ALTERNATE #2  
PRIMARY PLAYGROUND  
#19696 TYPHOON PRIMETIME UNIT

ADDITIVE ALTERNATE #3  
INTERMEDIATE PLAYGROUND  
#4342302 PRIMETIME UNIT

ADDITIVE ALTERNATE #4  
PRE-K PLAYGROUND  
#19595 PRIMETIME ATLAS

PLAYGROUND EQUIPMENT BY GAME TIME OR APPROVED EQUAL  
COLOR PALETTE: FRESH (CONFIRM W/ ARCH/OWNER)  
AREAS INSIDE THE CURBING TO CONTAIN POURED IN PLACE RUBBER SURFACING BY "CREATIVE SAFETY SURFACING" OR APPROVED EQUAL. COLOR GREEN 50% / BLACK 50%

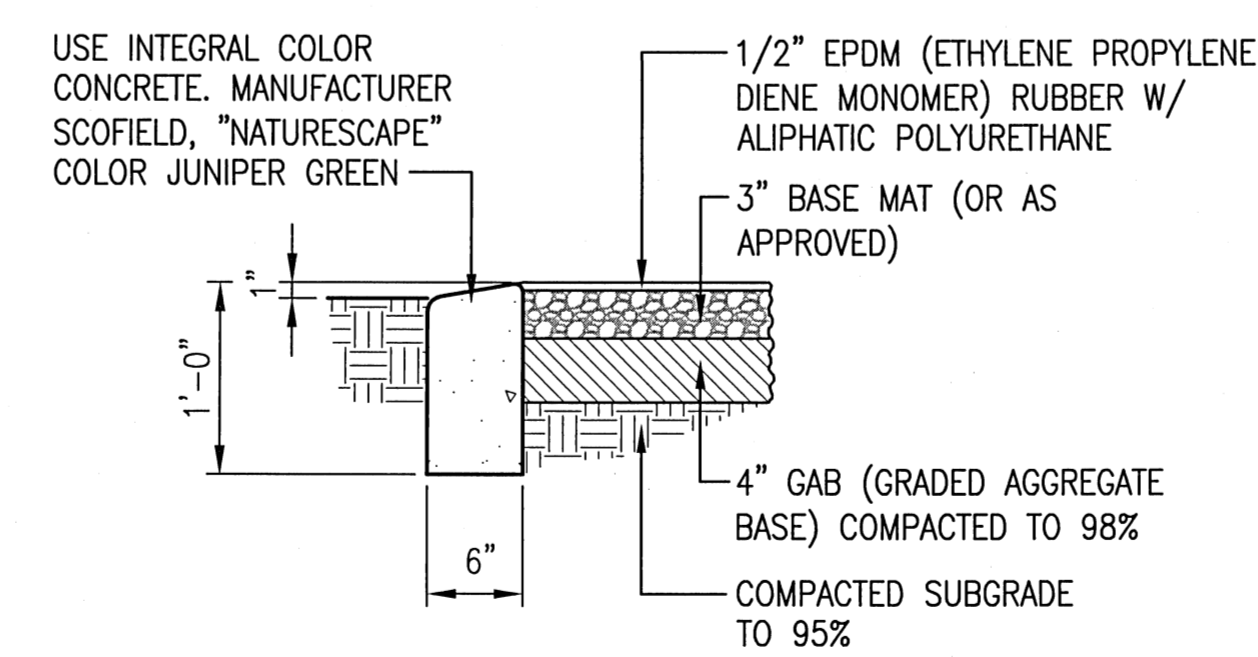
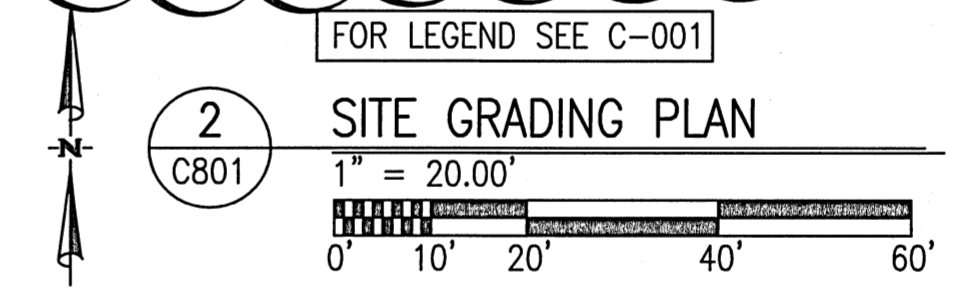


ADDITIVE ALTERNATE #2  
PRIMARY PLAYGROUND

ADDITIVE ALTERNATE #3  
INTERMEDIATE PLAYGROUND

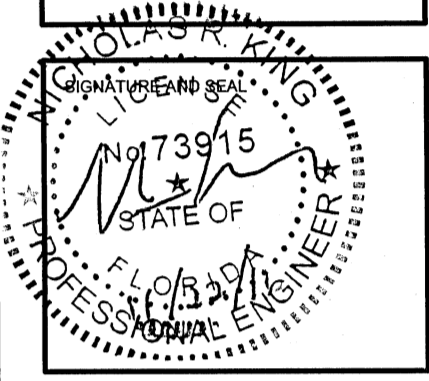
ADDITIVE ALTERNATE #4  
PRE-K PLAYGROUND

NOTE:  
PLAYGROUND EQUIPMENT & SURFACING  
SHALL COMPLY W/ 2010 ADA STANDARDS  
FOR ACCESSIBILITY DESIGN CHAPTER 10



POURED-IN-PLACE SURFACING AS SHOWN PER "CREATIVE SAFETY SURFACING". CONFIRM SECTION W/ SURFACING MANUFACTURER (TYP)

3 CURB/PAVING SECTION  
NO SCALE



REVISIONS:

1	10/21/2016

BTA PROJECT NO: 144415.01  
SHEET DATE: 09/12/16

SHEET TITLE:  
ENLARGED  
PLAYGROUND PLANS

SHEET:  
C-801