

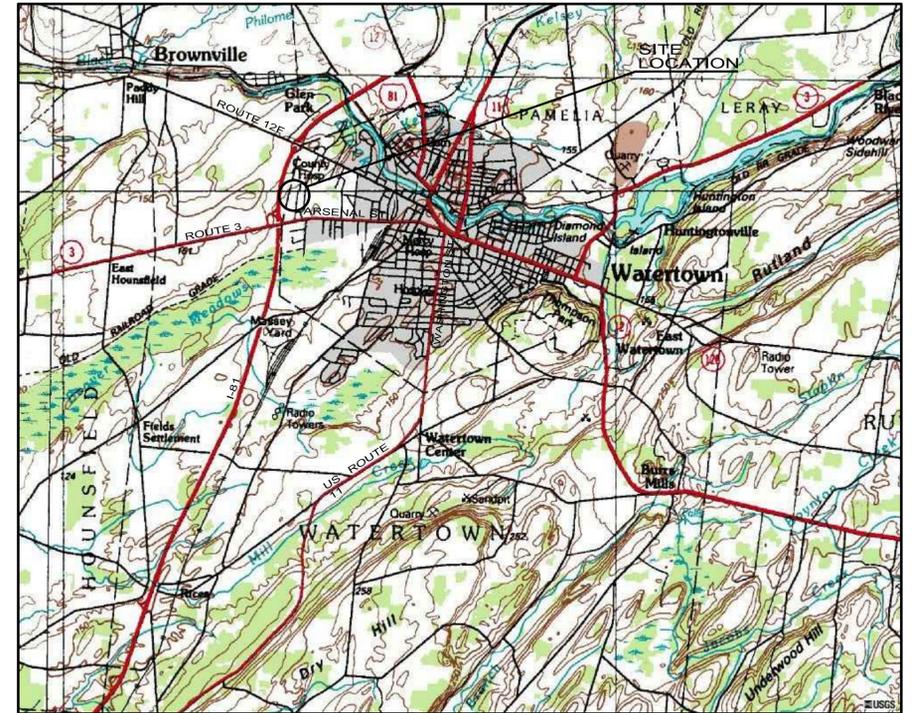
NEW YORK STATE LOCATION MAP
APPROXIMATE SCALE: 1" = 57 MILES

HILTON GARDEN INN HOTEL

WATERTOWN CITY CENTER PLAZA / PHASE TWO
WATERTOWN, JEFFERSON COUNTY, NEW YORK

SITE DEVELOPMENT PLANS

FEBRUARY 16, 2010



LOCATION MAP
APPROXIMATE SCALE 1" = 2400'

INDEX OF DRAWINGS:

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ABBREVIATIONS

- AC - ACRES
- BLDG - BUILDING
- BOT - BOTTOM
- BW - BOTTOM OF WALL
- C - CURVE
- CB - CATCH BASIN
- CF - CUBIC FEET
- CI - CAST IRON
- CL - CENTERLINE
- CO - CLEAN OUT
- CONC - CONCRETE
- CMP - CORRUGATED METAL PIPE
- CPP - CORRUGATED PLASTIC PIPE
- DA - DELTA ANGLE
- DA# - DRAINAGE AREA #
- DI - DUCTILE IRON
- DIA - DIAMETER
- DWG - DRAWING
- E - EAST
- EG - EXISTING GRADE
- EL - ELEVATION
- ESC - EROSION & SEDIMENT CONTROL
- FF - FINISHED FLOOR
- FG - FINISH GRADE
- GV - GATE VALVE
- HDPE - HIGH DENSITY POLYETHYLENE PIPE
- HYD - HYDRANT
- IPF - IRON PIPE FOUND
- IPS - IRON PIPE SET
- INT - INTERSECTION
- INV - INVERT
- L - LENGTH
- LF - LINEAR FEET
- MAX - MAXIMUM
- MIN - MINIMUM
- N - NORTH
- NO./# - NUMBER
- NTS - NOT TO SCALE
- NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- NYSDOT - NEW YORK STATE DEPARTMENT OF TRANSPORTATION
- NYSDOH - NEW YORK STATE DEPARTMENT OF HEALTH
- OHW - OVERHEAD WIRE
- PC - POINT OF CURVATURE
- PCC - POINT OF COMPOUND CURVE
- PT - POINT OF TANGENCY
- PVC - POLYVINYL CHLORIDE PIPE
- R - RADIUS
- RC - REINFORCED CONCRETE PIPE
- ROC - RUN OF CRUSHER
- ROW - RIGHT-OF-WAY
- S - SOUTH
- SAN - SANITARY
- SDR - STANDARD DIMENSION RATIO
- SNMH - SANITARY MANHOLE
- STMH - STORM MANHOLE
- SWPPP - STORM WATER POLLUTION PREVENTION PLAN
- TC - TIME OF CONCENTRATION
- TL - TANGENT LENGTH
- TYP - TYPICAL
- TW - TOP OF WALL
- TS & V - TAPPING SLEEVE & VALVE
- UNO - UNLESS NOTED OTHERWISE
- W - WEST

MASTER LEGEND

LEGEND:	EXISTING	PROPOSED	CONCEPTUAL
5' CONTOUR			
1' CONTOUR			
BUILDING			
BUSH			
CATCH BASIN			
CENTERLINE			
CITY MONUMENT			
CLEANOUT			
CONCRETE SIDEWALK			
CONIFEROUS TREE			
CURB STOP			
CURBED ROAD			
DECIDUOUS TREE			
EDGE OF PAVEMENT			
ELECTRICAL BOX			
ELECTRIC MANHOLE			
FENCE			
FIRE HYDRANT			
FLOWERING PLANTINGS			
GAS LINE			
1/2" IRON PIPE WITH CAP SET			
IRON PIPE FOUND (AS NOTED)			
LIGHT POLE			
PROPERTY LINE			
SEWER LINE			
SEWER MANHOLE			
SIGNS			
SILT FENCE			
SOLID WHITE LANE LINE			
STORM LINE			
STORM MANHOLE			
TREELINE			
UNDERGROUND ELECTRIC			
UTILITY POLE & GUY WIRE			
WATER LINE			
WATER OUTLINE			
WATER VALVE			
WETLANDS			
BOLLARD			
WATERLINE CROSSING			

SIGN SCHEDULE

LABEL	SIGNS	LABEL	SIGNS
A		E	
B		F	
C		G	
D			

SIGNAGE NOTES

- ALL OUTSIDE SIGNS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH ALL DETAILS WITHIN THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION - METRIC STANDARD SHEETS M645-20 THROUGH M645-80. THIS INCLUDES BUT IS NOT LIMITED TO: STANDARD SIGN BLANK DETAILS (M645-50 THROUGH M645-52); STANDARD HEIGHT AND LATERAL LOCATION FOR TRAFFIC SIGNS, TYPICAL REGULATION & WARNING SIGNS ASSEMBLED (M645-55); SIGN PANEL DETAILS FOR GUIDE, INFORMATION AND OTHER SIGNS (M645-70); BI- DIRECTIONAL BREAKAWAY BASE AND HINGE ASSEMBLY (M645-72).
- ALL SIGNS AND PAINT MARKINGS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AS OUTLINED IN THE LATEST VERSION OF THE FEDERAL MUTCD AND THE NYS SUPPLEMENT.

GENERAL NOTES

- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. PRIOR TO CONSTRUCTION CONTACT UNDERGROUND UTILITIES CALL CENTER OF NEW YORK FOR EXACT LOCATION OF ALL UNDERGROUND UTILITIES. (1-800-962-7962). CONTRACTOR IS RESPONSIBLE FOR LOCATING AND WORKING WITH THE APPROPRIATE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
 - THE TOPOGRAPHIC SURVEY WITHIN 450 FEET OF THE PROPOSED HOTEL WAS PERFORMED BY GYMO, P.C. WITHIN THE MONTH OF 12/2009. THE REMAINING SURVEY WAS DERIVED FROM PROPOSED PLANS WHICH HAVE BEEN PREVIOUSLY PREPARED BY GYMO, P.C.
 - ALL OUT-OF-SCOPE AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS WILL BE RESTORED TO CONDITIONS EQUAL TO OR BETTER THAN THAT PRIOR TO CONSTRUCTION, OUTSIDE OF PROPERTY BOUNDARIES AND EASEMENT AREAS THE CONTRACTOR IS REMINDED TO OBTAIN WRITTEN AUTHORIZATION TO USE PRIVATE PROPERTY AND ASSUMES ALL LIABILITY WHEN ACCESSING THOSE PROPERTIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CHARACTERISTICS AND EXTENT OF SUBSURFACE SOILS, ROCK, WATER TABLE LEVELS, ETC., PRIOR TO BIDDING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, SECURITY, BONDS, FEES, AND PAYMENTS TO OBTAIN SAID PERMITS WHERE APPLICABLE.
 - WHEN THE PERFORMANCE OF THE CONTRACTOR'S WORK REQUIRES THE INTERRUPTION OF UTILITY SERVICES, HE/SHE SHALL ISSUE A 48 HOUR PRIOR NOTICE TO THE GOVERNING MUNICIPALITY.
 - SITE CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROL AND DUST CONTROL.
 - A LICENSED LAND SURVEYOR SHALL BE RETAINED FOR ALL UTILITY AND FIELD STAKEOUT AND AS-BUILTS AT THE CONTRACTORS EXPENSE.
 - CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION UNTIL ESTABLISHMENT OF VEGETATIVE COVER. RUN-OFF CONTAINING SEDIMENTS FROM DISTURBED AREAS OF THE SITE SHALL NOT BE ALLOWED DIRECTLY OFF SITE OR INTO NATURAL STREAM CHANNELS.
 - ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. CONSTRUCTION ACTIVITIES ADJACENT TO TREES SHALL BE CONDUCTED TO REDUCE THE IMPACT TO TREES TO THE MAXIMUM EXTENT PRACTICAL. ANY DAMAGE TO EXISTING TREES SHALL BE REPAIRED OR THE TREE REPLACED, AS DIRECTED BY THE OWNER AT THE CONTRACTORS EXPENSE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING, GRUBBING, CUTTING AND DISPOSING OF VEGETATION, TREES AND DEBRIS IN A NYSDEC ACCEPTABLE LOCATION.
 - CONTRACTOR SHALL PERFORM ALL NECESSARY EARTHWORK, INCLUDING THE STRIPPING, STOCKPILING AND REPLACING OF TOPSOIL IN ACCORDANCE WITH THE PLANS. EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE.
 - EXCAVATIONS SHALL BE TO DEPTHS SHOWN ON DRAWINGS. ALL UNSTABLE OR UNSUITABLE MATERIAL SHALL BE EXCAVATED AND REMOVED TO SUCH DEPTH AS REQUIRED TO PROVIDE SUFFICIENT BEARING CAPACITY. OVER-EXCAVATED AREAS SHALL BE BACKFILLED WITH SUITABLE MATERIAL.
 - COMPACTION OF PIPE BEDDING AND BACKFILL MATERIAL SHALL BE BY MEANS OF HAND-GUIDED POWER DRIVEN, DRUM-TYPE, OR PLATE TAMPERS. BACKFILLING SHOULD PROCEED IN ACCORDANCE WITH LIFT THICKNESSES AND COMPACTION REQUIREMENTS AS SHOWN ON THE DRAWINGS. UNLESS OTHERWISE NOTED ON THE DRAWINGS, COMPACTION REQUIREMENTS REFER TO PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM STANDARD D1557 METHOD "C". CARE SHALL BE TAKEN TO SHAPE PIPE BEDDING TO FIT THE LOWER PART OF THE PIPE. BACKFILLING AND COMPACTION SHOULD PROGRESS EVENLY ALONG THE PIPE SIDEWALLS AND TO THE TOP OF THE PIPE BEDDING.
 - COMPACTION SHALL BE 90% MAXIMUM DRY DENSITY IN GRASS AREAS AND 95% MAXIMUM DRY DENSITY IN GRAVEL AREAS. MAXIMUM DRY DENSITY SHALL BE AS DETERMINED BY ASTM - D1557 MODIFIED PROCTOR, METHOD C. THE CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AGENCY TO PERFORM PAVEMENT TESTING PER TECHNICAL SPECIFICATIONS AND PROVIDE THE RESULTS TO THE OWNER AND CITY FOR REVIEW PRIOR TO FINAL PAYMENT.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OF DIMENSIONS, ELEVATIONS AND LOCATIONS DURING PRECONSTRUCTION FIELD VERIFICATION, SUCH INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR VERIFICATION OR MODIFICATION OF THE PLANS.
 - THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORD DRAWINGS INCLUDING, AS A MINIMUM, THE FOLLOWING INFORMATION AS WELL AS ALL REQUIREMENTS OF THE SPECIFICATION:
 - RECORD OF ALL UTILITIES ENCOUNTERED IN TRENCH EXCAVATION. INFORMATION SHALL INCLUDE DIAMETER OF UTILITY, DEPTH OF BURIAL AND LOCATION WITH REFERENCE TO NEAREST STRUCTURE SHOWN ON DRAWINGS. THIS INFORMATION SHALL BE KEPT CURRENT ON A WEEKLY BASIS. FAILURE TO DO SO MAY RESULT IN WITHHOLDING OF PAYMENTS.
 - DISTANCE TIES TO ALL BENDS, VALVES, MANHOLES, CATCH BASINS, ETC.
 - UTILITY REPAIRS, SIDEWALK, AND DRIVEWAY REPLACEMENTS CENTERLINE.
 - RM AND INVERT ELEVATIONS AND HORIZONTAL LOCATION OF MANHOLES, CATCH BASINS, AND CLEANOUTS.
 - STATIONS OF BENDS AND VALVES.
 - DENOTED BENCH MARK REFERENCES USED.
 - PERIODIC OFFSETS.
 - RECORD DETAILS NOT SHOWN ON THE ORIGINAL CONTRACT DOCUMENTS. ANY FIELD CHANGES OF DIMENSIONS AND DETAILS AND ANY CHANGES MADE BY CHANGE ORDER OR FIELD ORDER.
 - CERTIFICATE OF SUBSTANTIAL COMPLETION SHALL NOT BE ISSUED UNTIL AS-BUILT INFORMATION IS ACCEPTABLE.
 - TWO (2) SETS OF FINAL COMPLETE RECORD DRAWINGS. CONTRACTOR SHALL FURNISH AS-BUILT DATA ON PLAN SHEETS.
 - UPON COMPLETION OF STORM SEWER FACILITIES AND ESTABLISHMENT OF VEGETATION, THE NEW AND EXISTING STORM SYSTEMS RECEIVING RUNOFF FROM THIS SITE SHALL BE CLEANED OF DEBRIS. ONLY AT THIS TIME SHALL THE EROSION AND SEDIMENTATION CONTROL MEASURES BE REMOVED.
 - CONTRACTOR SHALL PROVIDE SATISFACTORY DEWATERING AND DRAINAGE OF EXCAVATIONS. SEE DEWATERING AND DRAINAGE IN THE TECHNICAL SPECIFICATIONS FOR MORE DETAILED INFORMATION.
 - A STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH THE NYSDEC REQUIREMENTS WITHIN THIS REPORT.
 - ALL WATERMAIN WORK IS TO BE COORDINATED WITH THE CITY OF WATERTOWN WATER DEPARTMENT. WATER DEPARTMENT REQUIREMENTS WILL SUPERCEED ALL OTHER PLANS AND SPECIFICATIONS.
 - PERMITS: THE FOLLOWING PERMITS MUST BE OBTAINED FROM THE ENGINEERING DEPARTMENT BEFORE THE START OF SITE CONSTRUCTION:
 - SANITARY SEWER LATERAL (COMMERCIAL) - \$ TO BE DETERMINED
 - CITY PERMIT - NO FEE
- PLEASE NOTE THAT ANY CONTRACTOR WORKING WITHIN THE CITY OF WATERTOWN MUST PROVIDE A CURRENT CERTIFICATE OF LIABILITY INSURANCE (ACORD 25). IN ADDITION, NYS ALSO MANDATES PROOF OF WORKER'S COMPENSATION BE SHOWN PRIOR TO THE ENGINEERING DEPARTMENT ISSUING ANY PERMITS.
- A PERMIT MUST BE OBTAINED FROM THE CITY OF WATERTOWN WATER DEPARTMENT TO COVER ANY WORK OR MATERIALS TO BE PROVIDED BY THE WATER DEPARTMENT, INCLUDING BUT NOT LIMITED TO THE TAP AT THE MAIN AND COORDINATION WITH TYING INTO THE MAIN WITHIN THE PROJECT AREA.
 - THE CITY OF WATERTOWN WATER DEPARTMENT MUST BE PRESENT TO ASSIST WITH FLUSHING OF MAINS, WITNESSING OF PRESSURE TESTING, AND PERFORMING THE DISINFECTION. THE COST OF WORK PERFORMED BY THE WATER DEPARTMENT WILL BE PAID FOR BY THE CONTRACTOR UPON THE CITY PRESENTING AN INVOICE FOR SUCH WORK.
 - THERE SHALL BE NO DEVIATION FROM THE SPECIFICATIONS FOR WATER MAIN AND SERVICE MATERIALS AND CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE PLACING OF A MINIMUM OF THREE BRONZE WEDGES AT EACH PUSH-ON JOINT FOR CONTINUITY, PROPER BACKFILL PLACEMENT AND COMPACTION, AND PROPER PLACEMENT AND SIZING OF THRUST BLOCKS. ALL PIPE AND MATERIALS MUST BE MADE IN NORTH AMERICA, UNLESS OTHERWISE APPROVED, AND SHOP DRAWINGS OR CUT SHEETS FOR PIPE AND MATERIAL MUST BE APPROVED BY THE WATER DEPARTMENT.

GENERAL DEMOLITION NOTES:

- THE CONTRACTOR IS TO ACQUIRE ANY REQUIRED DEMOLITION PERMITTING FROM ALL INDIVIDUAL REGULATING AGENCIES, LOCAL AUTHORITIES, OR GOVERNMENTAL BODIES. THE CONTRACTOR WILL SUPPLY AND PAY FOR ALL EFFORT AND/OR EXPENSE ASSOCIATED WITH ACQUIRING SAID DEMOLITION PERMIT UNDER THIS CONTRACT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF AND TO CONFORM WITH ALL RULES AND RESPONSIBILITIES ASSOCIATED WITH PROVIDING A SAFE WORK PLACE. THE CONTRACTOR MUST COMPLY WITH OSHA 29 CFR PART 1926, SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, SPECIFICALLY SUBPART T - DEMOLITION, SUBPART Z-TOXIC AND HAZARDOUS SUBSTANCES, AND 1926.62 LEAD.
- PRESENCE OF HAZARDOUS MATERIALS SHALL BE BROUGHT TO THE OWNERS IMMEDIATE ATTENTION.
- DISPOSAL OF ALL CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE IN ACCORDANCE WITH LOCAL AND 6 NYS CRR PART 360, PLUS OTHER APPLICABLE CODES. DISPOSAL SHALL BE AT THE CONTRACTOR'S EXPENSE.
- REMOVAL AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE SITE, UTILITY, AND GRADING PLANS.

HILTON GARDEN INN PHOTOMETRICS

Luminaire Schedule					
Qty	Label	Arrangement	Lumens	LLF	Description
5	A-3HS	SINGLE	107800	0.580	AER-G-HR-III-1000MH-HS
3	A-5	SINGLE	107800	0.580	AER-G-HR-V-SQ-1000MH
1	A-3	SINGLE	107800	0.580	AER-G-HR-III-1000MH
4	B-5	SINGLE	9000	0.580	SIG-HR-V-SQ-100PSMH
4	C-2	SINGLE	9000	0.580	AER-II-100MH

COMMON NAME	ABBREV.	BOTANICAL NAME	SIZE
WOODWARDII ARBORVITAE	WA	THUJA OCCIDENTALIS 'WOODWARDII'	18-24"
DWARF WINGED EUONYMUS	DE	EUONYMUS ALATUS COMPACTA	24-30"
EMERALD GAJET EUONYMUS	EE	EUONYMUS FORTUNEI 'EMERALD GAJET'	2 GAL.
PURPLE LEAF SAND CHERRY	PC	PRUNUS CISTENA	3-4"
ABBOTSWOOD POTENTILLA	AP	POTENTILLA FRUTICOSA 'ABBOTSWOOD'	3 GAL.
ANTHONY WATERER SPIREA	AS	SPIREA BUMALDA	3 GAL.
DWARF KOREAN LILAC	DL	SYRINGA PATULA 'MISS KIM'	24-30"

COMMON NAME	ABBREV.	BOTANICAL NAME	SIZE
AUTUMN BLAZE MAPLE	AM	ACER X FREMANII 'AUTUMN BLAZE'	2" CAL
SCARLET SENTINEL MAPLE	SM	ACER X FREMANII 'SCARLET SENTINEL'	2" CAL
CRIMSON KING MAPLE	CM	ACER PLAT. 'CRIMSON KING'	2" CAL
HACKBERRY	HB	CELTIS OCCIDENTALIS	2" CAL
PAPER BIRCH	PB	BETULA PAPIRYFERA	2" CAL
ENGLISH OAK	EO	QUERCUS ROBUR	2" CAL
SHADEMASTER HONEYLOCUST	SH	GLEDITSIA T. I. 'SHADEMASTER'	2" CAL
PRAIRIFIRE CRABAPPLE	PC	MALUS 'PRAIRIFIRE'	2" CAL
SPRINGSNOW CRABAPPLE	SC	MALUS 'SPRINGSNOW'	2" CAL
CLEAVLAND SELECT PEAR	CP	PYRUS CALLERYANA	2" CAL
RED OAK	RO	QUERCUS RUBRA	2" CAL
IVORY SILK TREE LILAC	IL	SYRINGA RETICULATA	2" CAL
NORWAY SPRUCE	NS	PICEA ABIES	4'-5" B.B.
BLACK HILLS SPRUCE	BS	PICEA GLAUCA 'DENSATA'	4'-5" B.B.
COLORADO SPRUCE	CS	PICEA PUGENS	4'-5" B.B.
COLORADO BLUE SPRUCE	CBS	PICEA PUGENS GLAUCA	4'-5" B.B.
GINKGO	GB	GINKGO BILOBA	2" CAL
GOLD WEEPING WILLOW	GW	SALIX ALBA 'TRISTIS'	2" CAL

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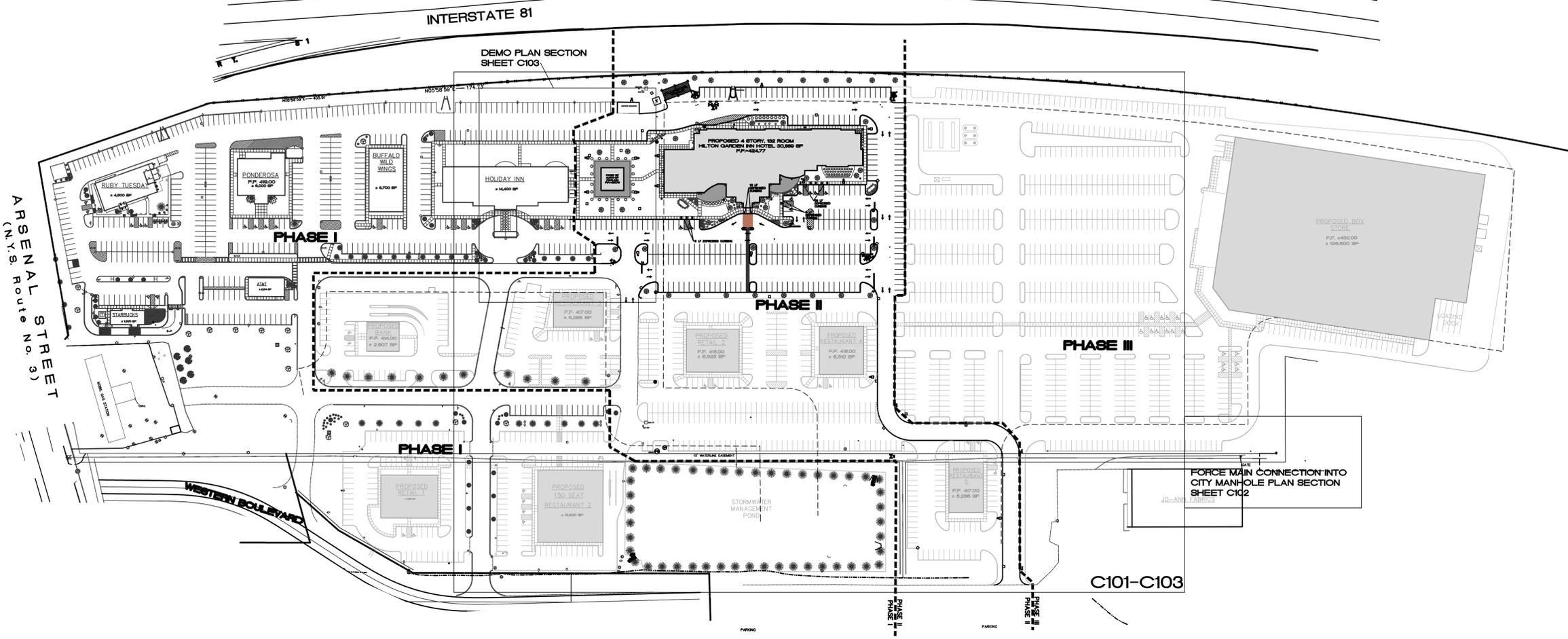
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GENERAL INFORMATION PAGE
 HILTON GARDEN INN/PHASE TWO
 WATERTOWN CITY CENTER PLAZA
 ARSENAL ST/1-81, WATERTOWN, NY

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 Drawn By: THR
 Designed By: RGC/PJS
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 Date Issued: 2/16/2010
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C001



ARSENAL STREET
(N.Y.S. Route No. 3)

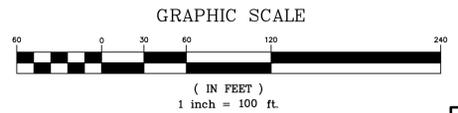
WESTERN BOULEVARD

INTERSTATE 81

DEMO PLAN SECTION
SHEET C103

C101-C103

FORCE MAIN CONNECTION INTO
CITY MANHOLE PLAN SECTION
SHEET C102



FOR CONTRACTORS INFORMATION ONLY. NO SCOPE(S) OF WORK ARE SPECIFIED ON THIS SHEET.

OVERALL PLAN/INDEX SHEET

HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

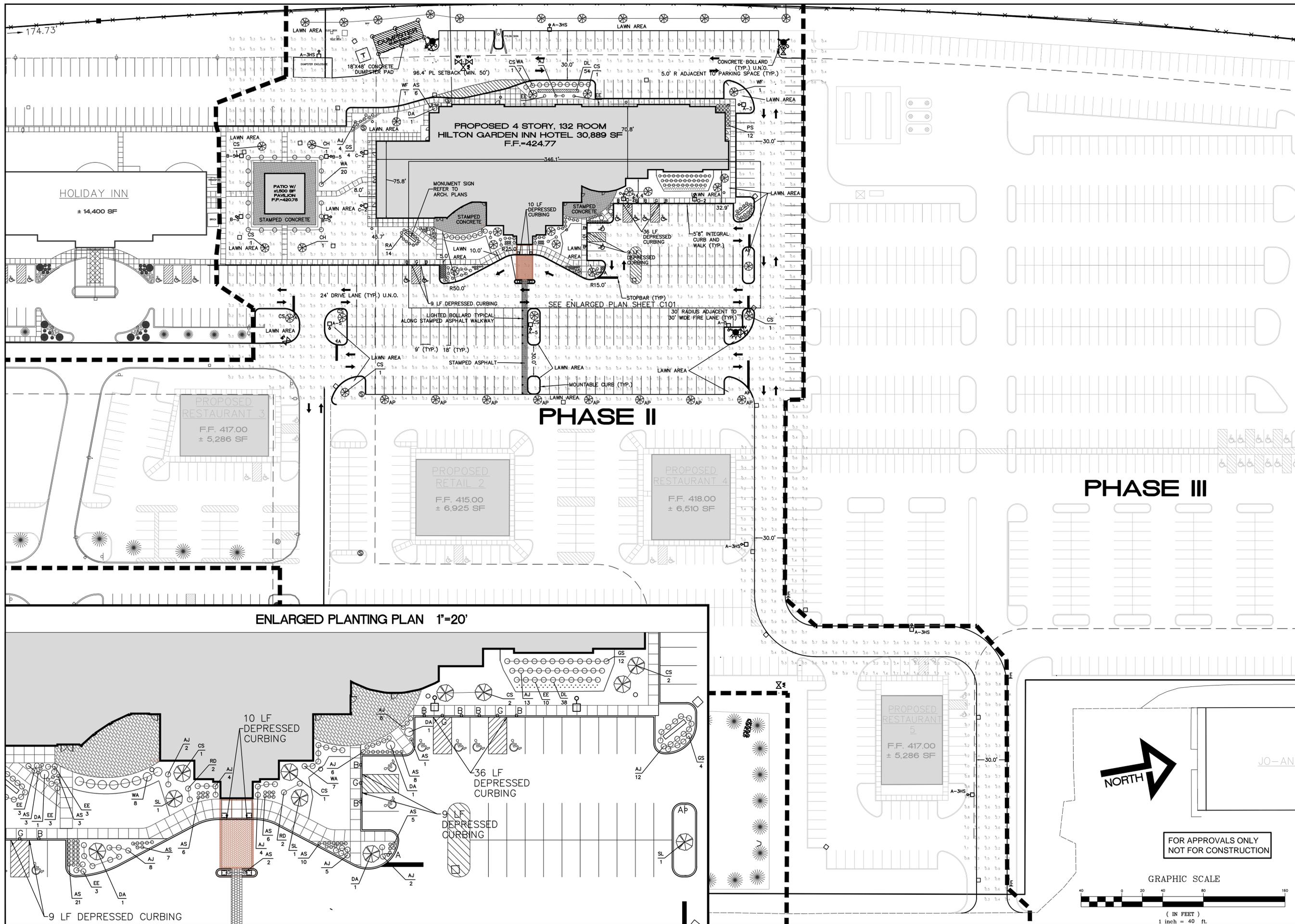
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C100

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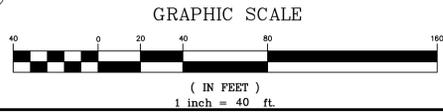
SITE + LANDSCAPING PLAN

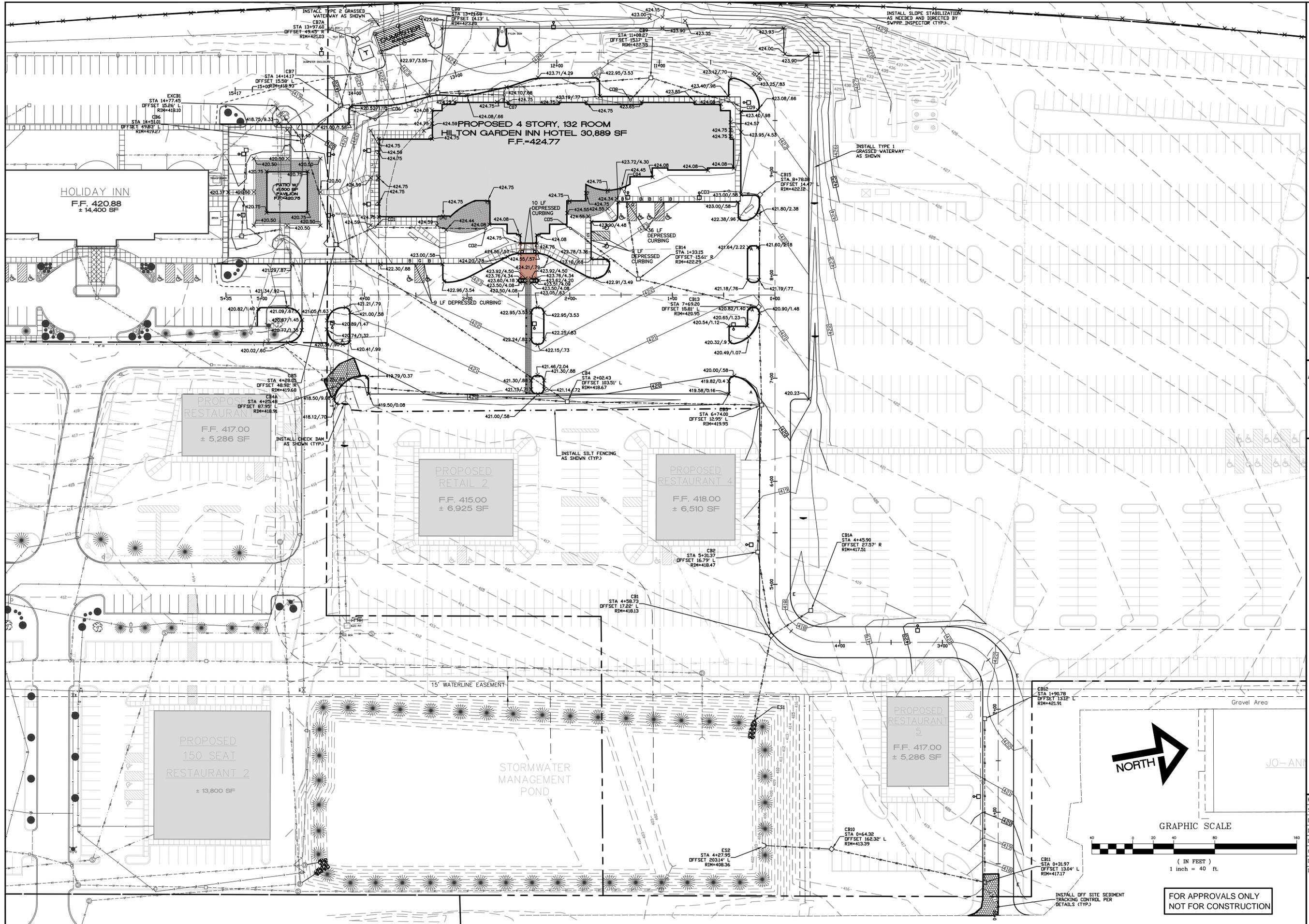
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WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

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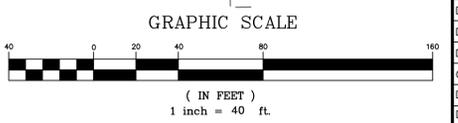
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GRADING PLAN
HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

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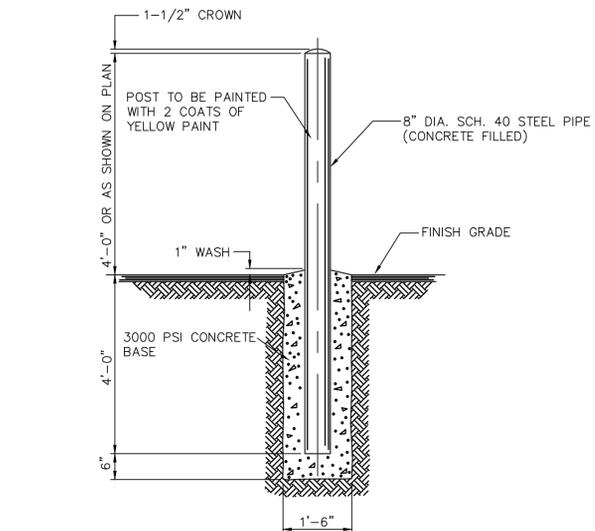
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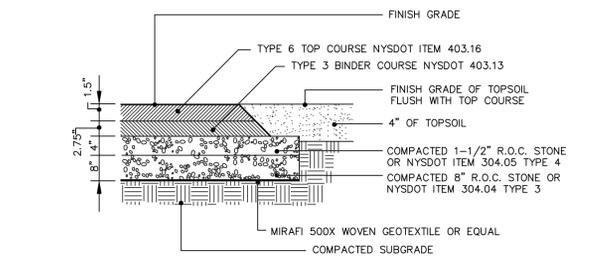
**HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY**

Project No: 2009-215E
Scale: As Noted
Date: 1/28/2010
Drawn By: THR
Designed By: RGC/PJS
Checked By:
Date Issued: 2/16/2010
Drwg. No.

C501



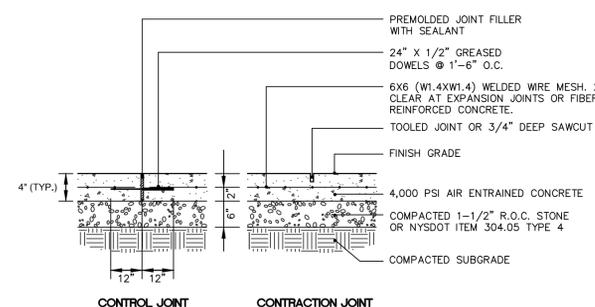
1 CONCRETE BOLLARD DETAIL
C501 NOT TO SCALE



RUN OF CRUSHER STONE - SHALL BE ANGULAR CRUSHED UNSORTED LIMESTONE, WELL GRADED WITH SUFFICIENT FINES TO FILL ALL VOIDS WHEN COMPACTED. GRADATION SHALL BE AS FOLLOWS:

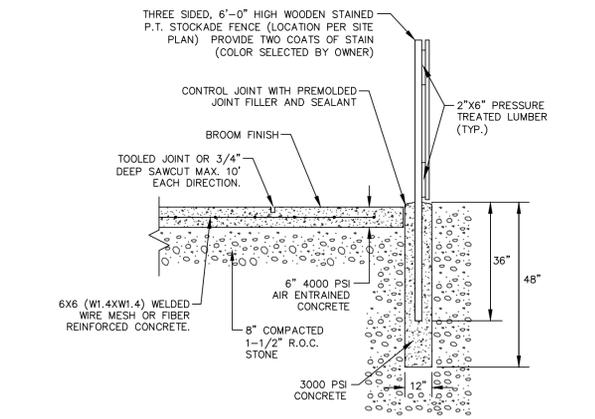
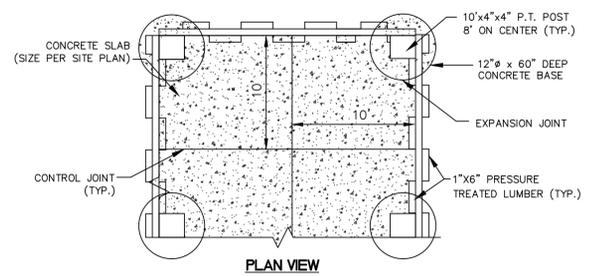
SIEVE	% PASSING BY WT.
4"	100
3"	90-100
2"	75-90
1-1/2"	100
1-1/4"	90-100
1-1/8"	60-80
3/4"	40-65
3/8"	25-40
#40	10-40
#200	0-10

2 TYPICAL PAVEMENT DETAIL (PARKING AREAS)
C501 NOT TO SCALE D153-01

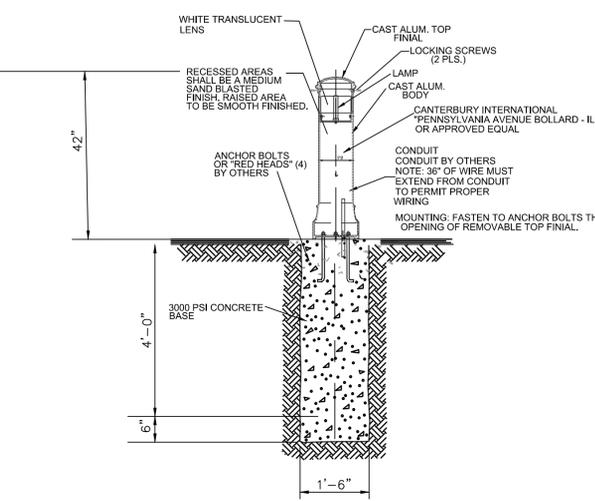


5 BOLLARD DETAIL - ILLUMINATED
C501 NOT TO SCALE

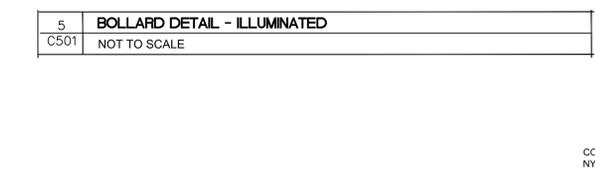
3 TYPICAL CONCRETE WALK SECTION
C501 NOT TO SCALE D154-01



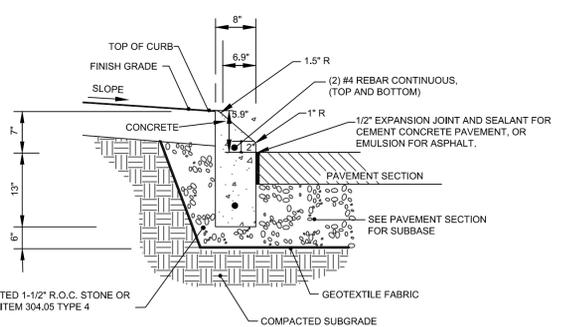
4 CONCRETE DUMPSTER AND UTILITY PAD DETAIL
C501 NOT TO SCALE D173-01



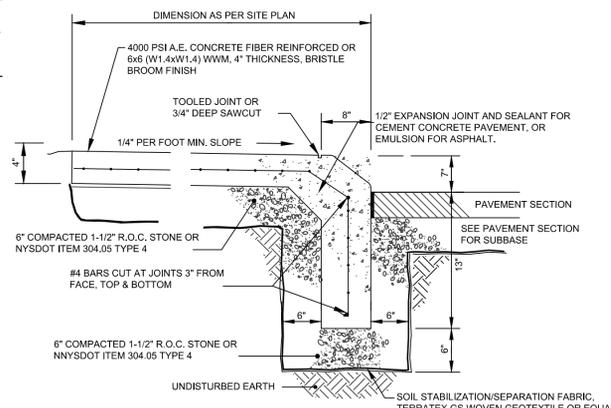
6 TYPE A - PARKING AREA LIGHT POLE DETAIL
C501 NOT TO SCALE



7 TYPE B LAWN AREA LIGHT POLE DETAIL
C501 NOT TO SCALE

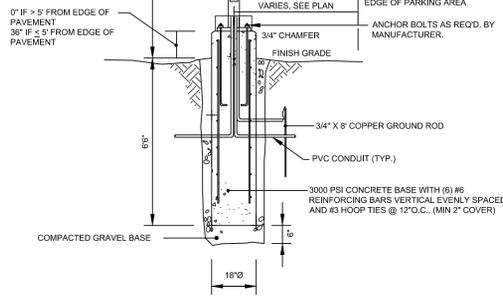


8 MOUNTABLE CURB DETAIL
C501 NOT TO SCALE

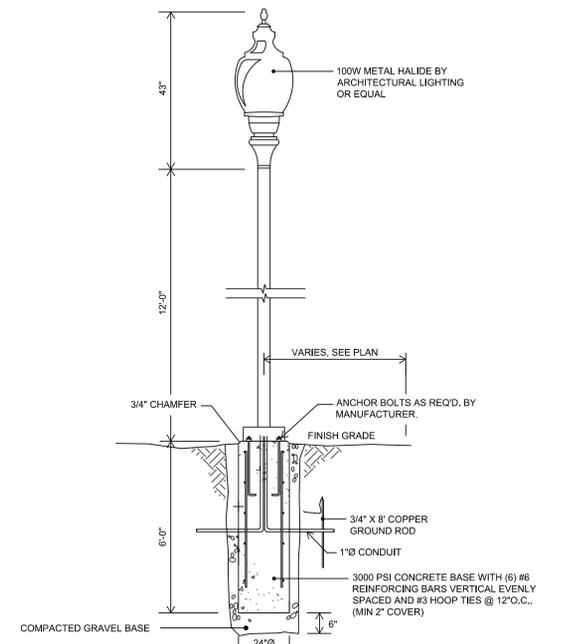


9 TYPICAL INTEGRAL CONCRETE CURB/WALK DETAIL
C501 NOT TO SCALE

NOTES:
1) IF POLE AND/OR FIXTURE ARE DIFFERENT THAN SPECIFIED, STRUCTURAL ENGINEER MUST BE NOTIFIED TO DESIGN NEW SYSTEM.
2) IF LIGHTS ARE INSTALLED IN OR WITHIN 5' OF PAVEMENT, 3' OF ADDITIONAL CONCRETE FOUNDATION MUST BE EXPOSED WHILE MAINTAINING SPECIFIED FIXTURE HEIGHT.



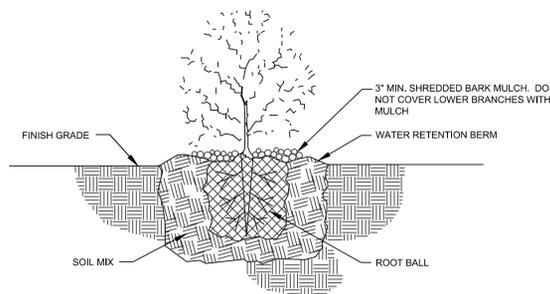
6 TYPE A - PARKING AREA LIGHT POLE DETAIL
C501 NOT TO SCALE



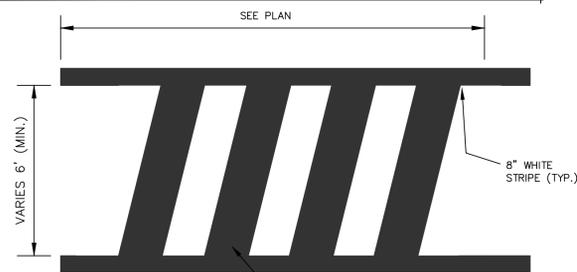
7 TYPE B LAWN AREA LIGHT POLE DETAIL
C501 NOT TO SCALE

NOTES:
1. CONTRACTION JOINTS TO BE SPACED 10' O.C. MAX., EXPANSION JOINTS TO BE SPACED 20' O.C. MAX. EXPANSION JOINT TO BE COVERED WITH SEALANT.

NOTES:
1. CONCRETE WALK AND CURB EXPANSION JOINTS TO COINCIDE AT 20' O.C. MAX., CONTRACTION JOINTS TO BE SPACED EVENLY AT 5' O.C. MAX. BOTH DIRECTIONS.
2. EXPANSION JOINTS TO BE 1/2" WIDE FILLED WITH PREMOLDED JOINT FILLER AND SEALANT CONFORMING TO ASTM D1752 TYPE II.

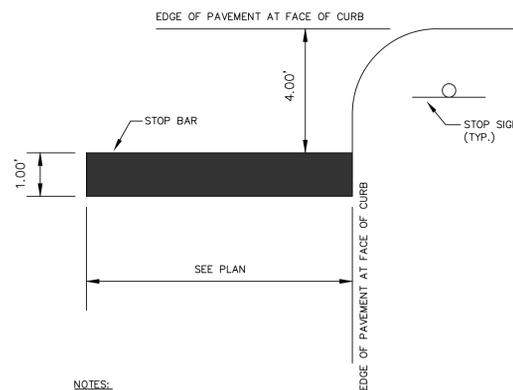


1 SHRUB PLANTING DETAIL
C502 NOT TO SCALE



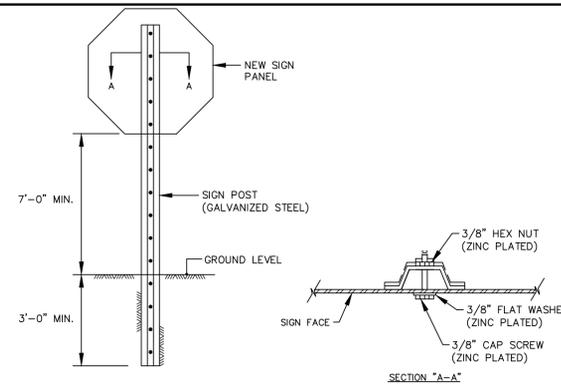
NOTES:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE 2003 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE MARKINGS ARE TO BE PAINTED REFLECTIVE WHITE.

2 TYPICAL CROSSWALK DETAIL
C502 NOT TO SCALE

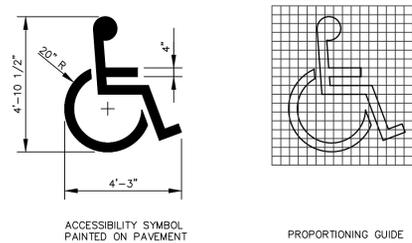


NOTES:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN THE 2003 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE MARKINGS ARE TO BE PAINTED REFLECTIVE WHITE.

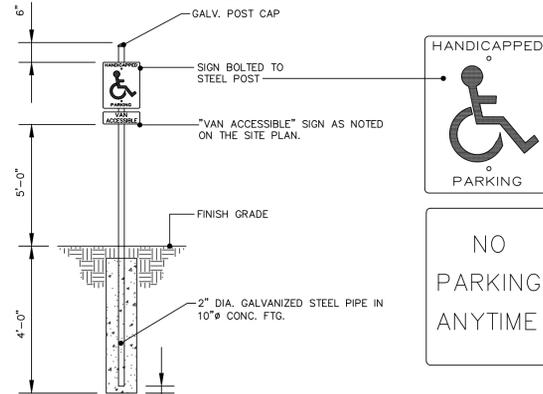
3 TYPICAL STOP BAR DETAIL
C502 NOT TO SCALE



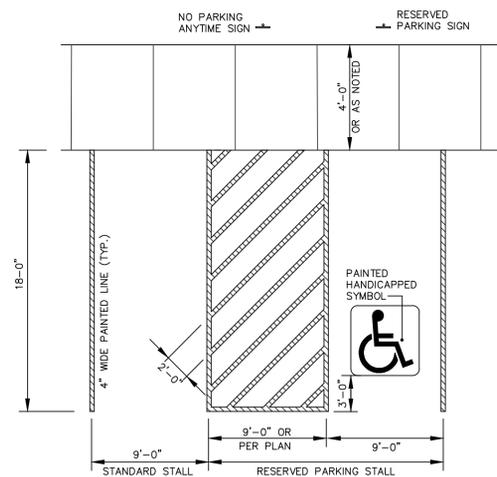
4 TYPICAL SIGN-IN GROUND INSTALLATION DETAIL
C502 NOT TO SCALE SW135-01



5 TYPICAL HANDICAP SYMBOL DETAIL
C502 NOT TO SCALE D156-01

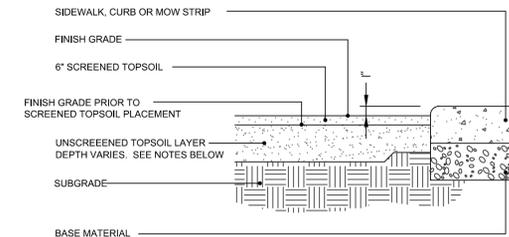


6 TYPICAL HANDICAP SIGN DETAIL
C502 NOT TO SCALE D157-01



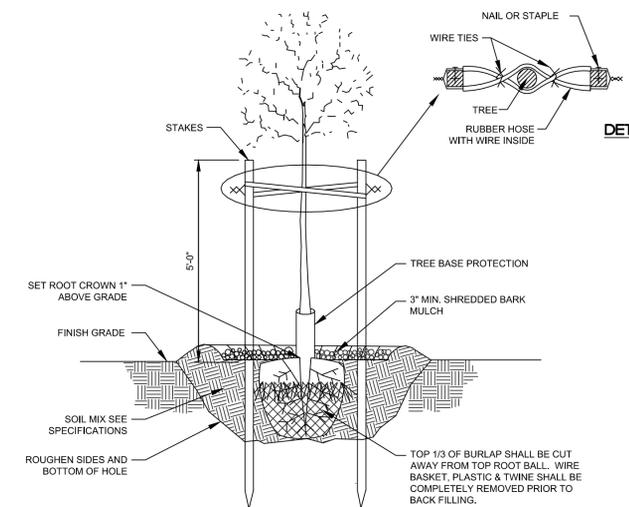
NOTES:
1. MAX. PAVEMENT SLOPE TO BE 2% (1:50) IN ANY DIRECTION, FOR HANDICAP AREAS.

7 TYPICAL PARKING STALL MARKINGS
C502 NOT TO SCALE SW136-01



NOTES:
GRASSED AREAS - UNSCREENED TOPSOIL SHALL BE 8\"/>

8 SOIL PROFILE - VARIOUS AREAS
C502 NOT TO SCALE D132-02

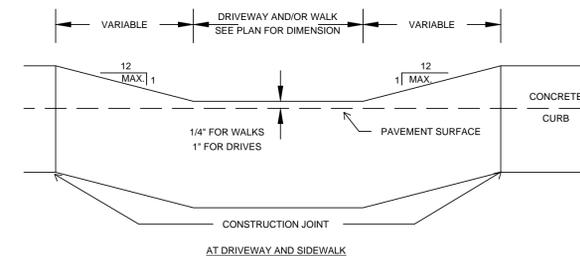


9 TREE PLANTING AND STAKING DETAIL
C502 NOT TO SCALE

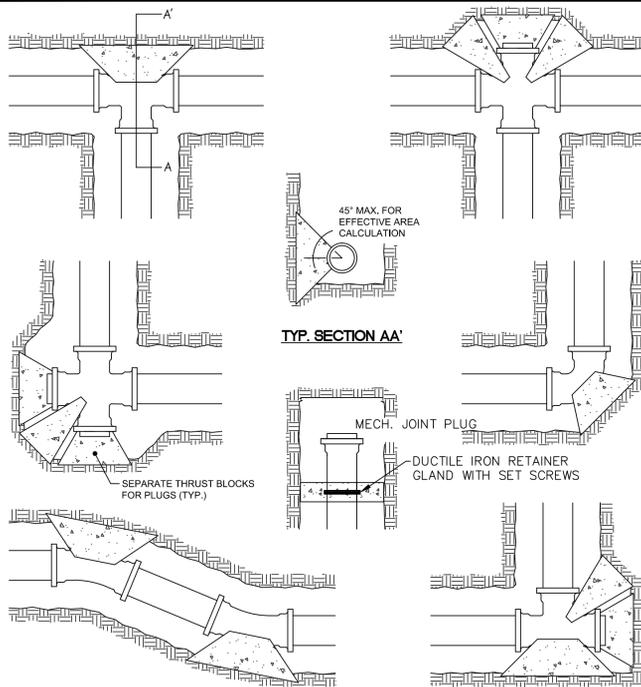
NOTE: DO NOT OVER TIGHTEN WIRE. SLACK SHALL REMAIN TO ALLOW FOR SOME MOVEMENT.

LANDSCAPING NOTES

1. PLANT SPECIES WERE SELECTED TO GROW IN EXISTING SOIL CONDITIONS AND HARDINESS ZONES. PLANT SPECIES WERE ALSO CHOSEN ACCORDING TO GROWTH HABIT, SHAPE, SIZE, COLOR, FLOWER AND FALL COLOR. ANY SUBSTITUTIONS MUST BE REVIEWED BY THE ARCHITECT OR ENGINEER.
2. ALL TREES SHALL ARRIVE ON SITE BEARING THE ORIGINAL IDENTIFICATION TAGS SHOWING THE BOTANICAL NAME, COMMON NAME AND SIZE.
3. ALL TREES SHALL HAVE A MIN. 4\"/>



10 DEPRESSED CURB DETAIL
C502 NOT TO SCALE

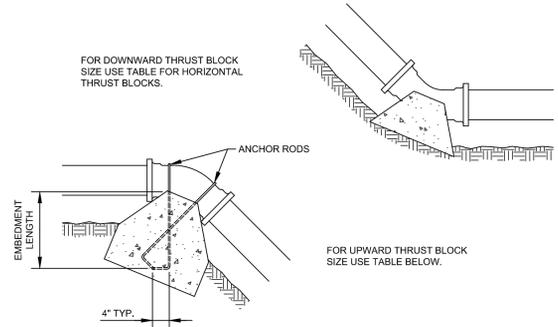


ANCHOR SCHEDULE

NOMINAL PIPE SIZE	150 P.S.I. HYDROSTATIC PRESSURE AGAINST UNDISTURBED SOIL AT 2000 P.S.F. BRNG. CAPACITY					150 P.S.I. HYDROSTATIC PRESS. AGAINST ROCK TRENCH, 10000 P.S.F. BRNG. CAPACITY DESIGN BASIS				
	MINIMUM REQUIRED BEARING AREA IN SQ. FT.					MINIMUM REQUIRED BEARING AREA IN SQ. FT.				
	11-1/4" BEND	22-1/2" BEND	45° BEND	90° BEND	PLUG OR TEE	11-1/4" BEND	22-1/2" BEND	45° BEND	90° BEND	PLUG OR TEE
4"	1.0	1.0	1.0	1.9	1.4	1.0	1.0	1.0	1.0	1.0
6"	1.0	1.1	2.1	4.0	2.8	1.0	1.0	1.0	1.0	1.0
8"	1.0	1.9	3.7	6.8	4.8	1.0	1.0	1.0	1.4	1.0
10"	1.4	2.8	5.6	10.3	7.3	1.0	1.0	1.1	2.1	1.5
12"	2.0	4.0	7.9	14.5	10.3	1.0	1.3	1.6	2.9	2.1
14"	2.7	5.4	10.6	19.5	13.8	1.0	1.1	2.1	3.9	2.8
16"	3.5	7.0	13.6	25.2	17.8	1.0	1.4	2.7	5.0	3.6
18"	4.4	8.7	17.1	31.7	22.4	1.0	1.7	3.4	6.3	4.5
20"	5.4	10.7	21.0	38.9	27.5	1.1	2.1	4.2	7.8	5.5
24"	7.7	15.3	30.0	55.5	39.2	1.5	3.1	6.0	11.1	7.8

- THRUST BLOCKS TO BE 3000 PSI CONCRETE MINIMUM.
- FOR SOIL BEARING CAPACITIES LESS THAN 2000 PSI OR WHERE SOIL HAS BEEN DISTURBED, THE ABOVE TABLE DOES NOT APPLY.
- WHERE TOP OF PIPE LIES BELOW TOP OF ROCK TRENCH, BEARING AREAS AGAINST ROCK TRENCH TABLE MAY BE USED.
- POLYETHYLENE BARRIER TO BE PROVIDED BETWEEN PIPE AND THRUST BLOCK.

1 TYPICAL HORIZONTAL THRUST BLOCK DETAILS
C503 NOT TO SCALE D124-01

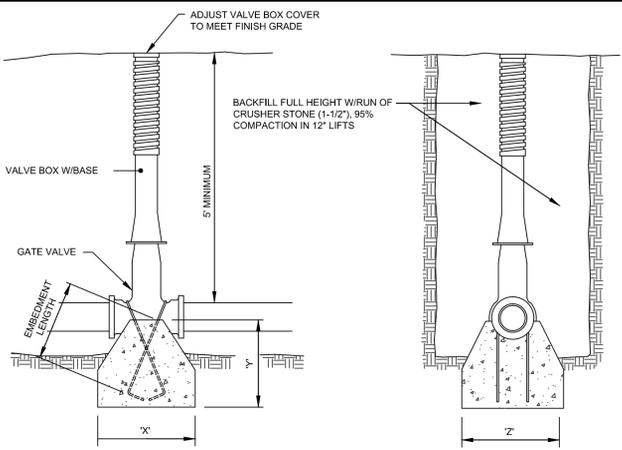


ANCHOR SCHEDULE

NOMINAL PIPE SIZE	11-1/4" BEND			22-1/2" BEND			45° BEND		
	CONCRETE VOLUME (CU. YDS.)	ANCHOR ROD Ø	EMBED. LENGTH	CONCRETE VOLUME (CU. YDS.)	ANCHOR ROD Ø	EMBED. LENGTH	CONCRETE VOLUME (CU. YDS.)	ANCHOR ROD Ø	EMBED. LENGTH
4"	0.2	3/8"	1'-2"	0.4	3/8"	1'-2"	0.6	3/8"	1'-2"
6"	0.4	3/8"	1'-2"	0.7	3/8"	1'-2"	1.3	3/8"	1'-2"
8"	0.6	3/8"	1'-2"	1.2	3/8"	1'-2"	2.3	3/8"	1'-2"
10"	0.9	3/8"	1'-2"	1.7	3/8"	1'-2"	3.4	1/2"	1'-6"
12"	1.3	3/8"	1'-2"	2.5	1/2"	1'-6"	4.8	5/8"	2'-0"
14"	1.7	3/8"	1'-2"	3.3	1/2"	1'-6"	6.5	5/8"	2'-0"
16"	2.2	3/8"	1'-2"	4.3	1/2"	1'-6"	8.4	3/4"	2'-3"
18"	2.7	1/2"	1'-6"	5.4	5/8"	2'-0"	10.6	7/8"	2'-6"
20"	3.3	1/2"	1'-6"	6.6	5/8"	2'-0"	13.0	7/8"	2'-6"
24"	4.7	5/8"	2'-0"	9.4	3/4"	2'-3"	18.5	1-1/8"	3'-6"

- THRUST BLOCK TO BE 3000 PSI CONCRETE MINIMUM.

2 TYPICAL VERTICAL THRUST BLOCK DETAILS
C503 NOT TO SCALE D126-01

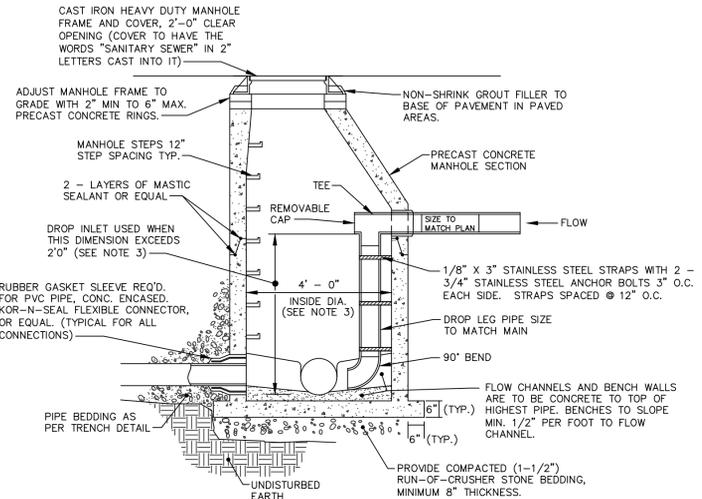


VALVE ANCHOR SCHEDULE

NOMINAL PIPE SIZE	150 P.S.I. HYDROSTATIC PRESSURE AGAINST UNDISTURBED SOIL AT 2000 P.S.F. BRNG. CAPACITY				
	X'	Y'	Z'	ANCHOR ROD Ø	EMBED. LENGTH
2"	1'-3"	1'-3"	1'-3"	3/8"	1'-2"
3"	1'-3"	1'-3"	1'-3"	3/8"	1'-2"
4"	1'-3"	1'-3"	1'-3"	3/8"	1'-2"
6"	1'-6"	1'-8"	1'-8"	1/2"	1'-6"
8"	1'-6"	2'-3"	2'-3"	5/8"	2'-0"
10"	1'-8"	2'-8"	2'-8"	3/4"	2'-3"
12"	1'-9"	3'-4"	3'-4"	7/8"	2'-8"
14"	2'-0"	3'-8"	3'-8"	1"	3'-0"
16"	2'-3"	4'-3"	4'-3"	1-1/8"	3'-6"
18"	2'-6"	4'-8"	4'-8"	1-1/4"	3'-10"

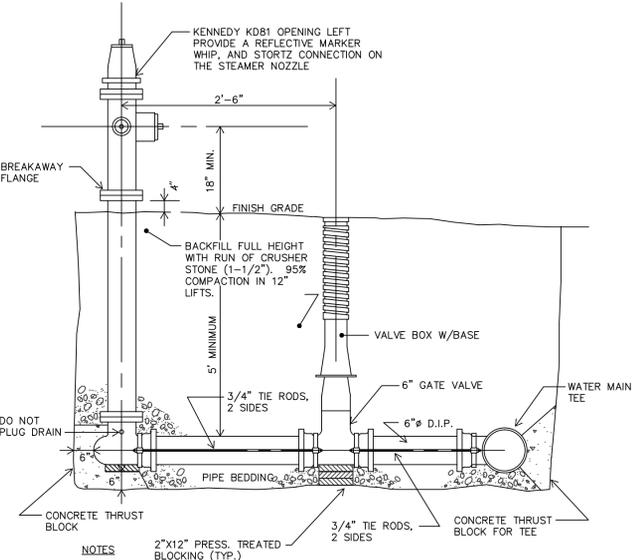
- NOTES:**
- THRUST BLOCK CONCRETE TO BE 3000 PSI MINIMUM.
 - FOR SOIL BEARING CAPACITIES LESS THAN 2000 PSF OR WHERE SOIL HAS BEEN DISTURBED, THE ABOVE TABLE DOES NOT APPLY.

3 TYPICAL GATE VALVE DETAIL
C503 NOT TO SCALE D129-01



- NOTES:**
- ALL MANHOLE SECTIONS TO BE HS-20 LOAD RATING MINIMUM.
 - DAMP-PROOF COATING TO BE APPLIED TO OUTER SURFACE OF MANHOLE SECTIONS.
 - DROP MANHOLES SHALL BE 5' - 0" INSIDE DIAMETER.
 - USE THIS DETAIL FOR EXISTING MANHOLE CONNECTIONS ALSO.

5 TYPICAL SANITARY SEWER MANHOLE AND DROP MANHOLE DETAIL (SSMH)
C503 NOT TO SCALE



- NOTES:**
- HYDRANT NOZZLE TO BE ALIGNED PERPENDICULAR TO STREET.
 - PEA GRAVEL OR NO.3 CRUSHED STONE (1/2 CU. YD.) TO BE PLACED AROUND HYDRANT DRAIN.
 - SEE THRUST BLOCK DETAIL FOR REQUIRED DIMENSIONS.
 - HYDRANT TO CONFORM TO ANSI/AWWA C502-85 STANDARDS FOR DRY-BARREL FIRE HYDRANTS.

4 TYPICAL HYDRANT DETAIL
C503 NOT TO SCALE W103-01

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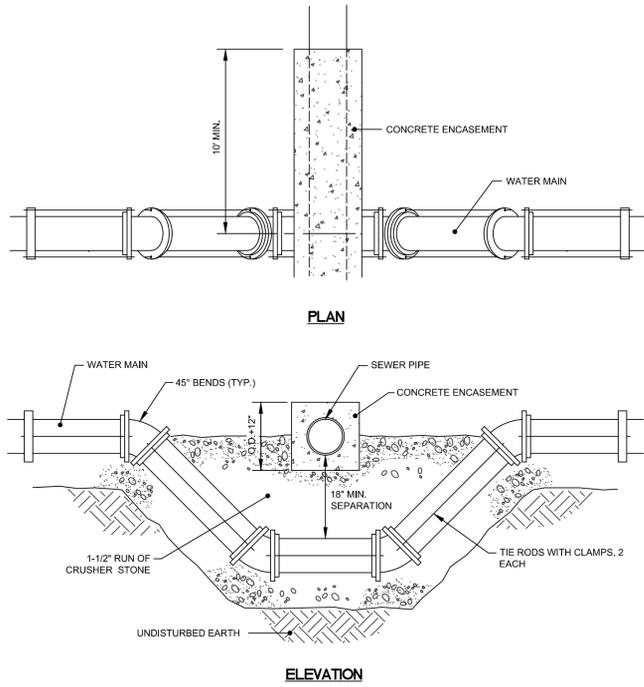
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WATER & SANITARY SEWER DETAILS
HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

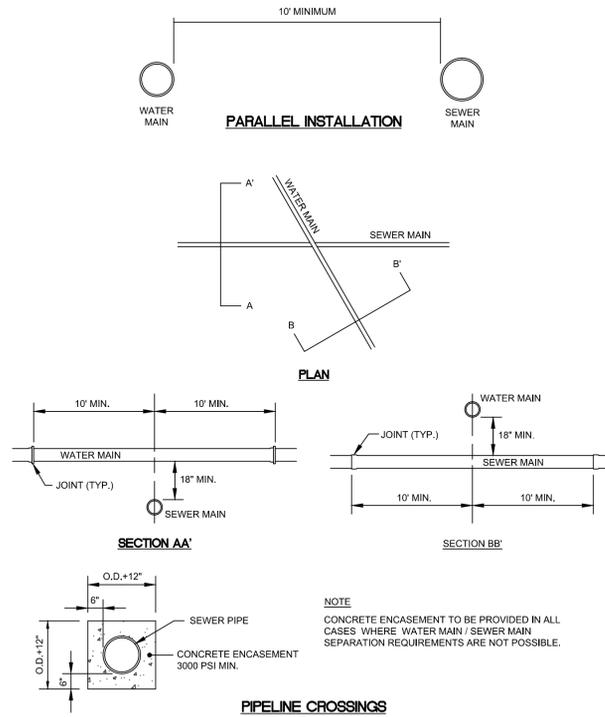
Project No: 2009-215E
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Drawn By: THR
Designed By: RGC/PJS
Checked By:
Date Issued: 2/16/2010
Drwg. No.

C503

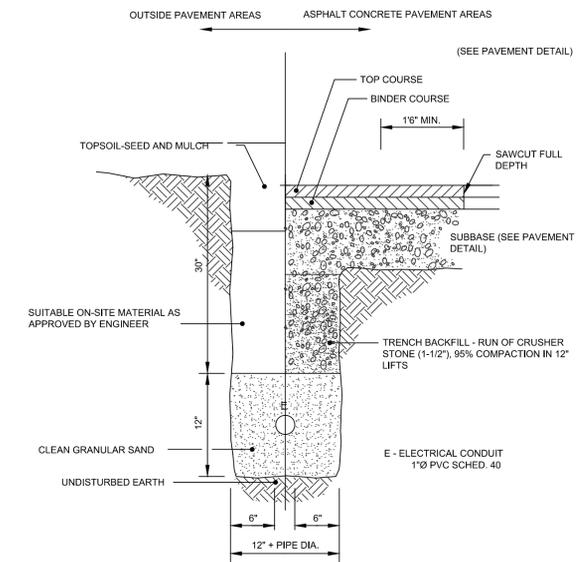
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1	TYPICAL WATER MAIN RELOCATION AND SEPARATION DETAIL
C504	NOT TO SCALE D117-01



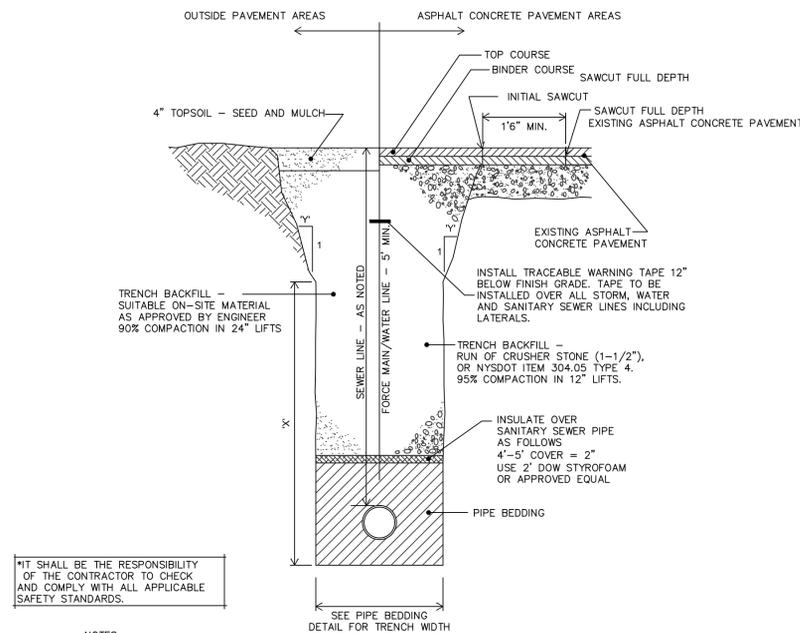
3	TYPICAL SEWER AND WATER MAIN SEPARATION DETAILS
C504	NOT TO SCALE D127-01



NOTES

- TRENCHES LOCATED ON ROAD SHOULDERS SHALL BE TREATED THE SAME AS UNDER PAVEMENT.
- ELECTRICAL LINE TRENCH TO BE LOCATED A MINIMUM OF 2 FT. FROM COMMUNICATION LINE TRENCH.

5	TYPICAL ELECTRICAL TRENCH DETAIL
C504	NOT TO SCALE E102-01

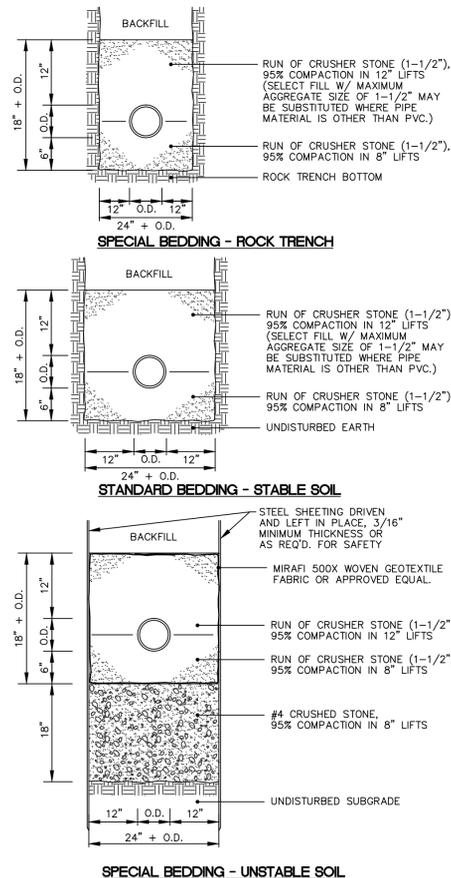


*IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK AND COMPLY WITH ALL APPLICABLE SAFETY STANDARDS.

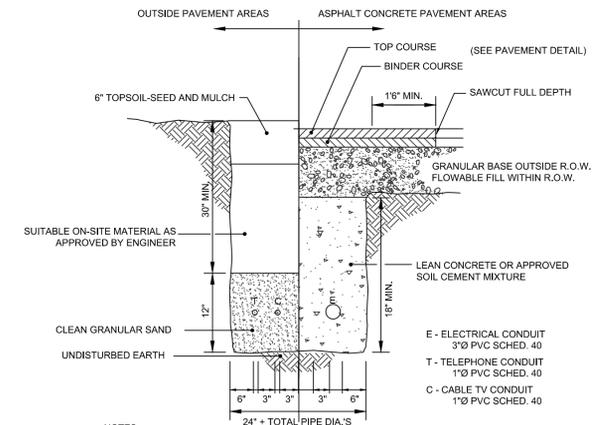
NOTES

- DIMENSIONS "X" AND "Y" SHOWN ABOVE SHALL BE DETERMINED BY CONTRACTOR TO COMPLY WITH O.S.H.A., NEW YORK STATE DEPARTMENT OF LABOR, NEW YORK STATE INDUSTRIAL CODE AND ALL OTHER APPLICABLE SAFETY STANDARDS.
- SAFETY SHEETING OR TRENCH BOX MAY BE USED IN PLACE OF SLOPED TRENCH WALLS.
- SHEETING, WHEN REQUIRED, TO BE CUT OFF AT LEAST 5 FEET BELOW STREET AND A MINIMUM OF 1 FOOT ABOVE TOP OF PIPE. WOOD SHEETING DRIVEN BELOW MID-DIAMETER OF THE PIPE SHALL BE LEFT IN PLACE. STEEL SHEETING DRIVEN BELOW MID-DIAMETER MAY BE WITHDRAWN IF APPROVED IN WRITING BY THE ENGINEER. FOR PVC PIPE ALL SHEETING DRIVEN BELOW MID-DIAMETER SHALL BE LEFT IN PLACE.
- TRENCHES LOCATED ON ROAD SHOULDERS SHALL BE TREATED THE SAME AS UNDER PAVMT.
- CONTRACTOR MAY USE NATIVE MATERIAL AS BACKFILL IF APPROVED BY ENGINEER.

2	TYPICAL UTILITY LINE TRENCH DETAIL AND PAYMENT LIMITS
C504	NOT TO SCALE D101-02



4	TYPICAL PIPE BEDDING DETAILS AND PAYMENT LIMITS
C504	NOT TO SCALE U102-01



NOTES

- TRENCHES LOCATED ON ROAD SHOULDERS SHALL BE TREATED THE SAME AS UNDER PAVEMENT.
- INSTALLATION REQUIREMENTS TO BE VERIFIED WITH LOCAL UTILITY COMPANY. PORTIONS OR ALL OF PRIMARY SERVICES MAY BE INSTALLED BY LOCAL UTILITY COMPANIES. CONTRACTOR SHALL COORDINATE INSTALLATION WITH UTILITY COMPANIES.

6	TYPICAL UNDERGROUND UTILITY TRENCH DETAIL
C504	NOT TO SCALE E103-02

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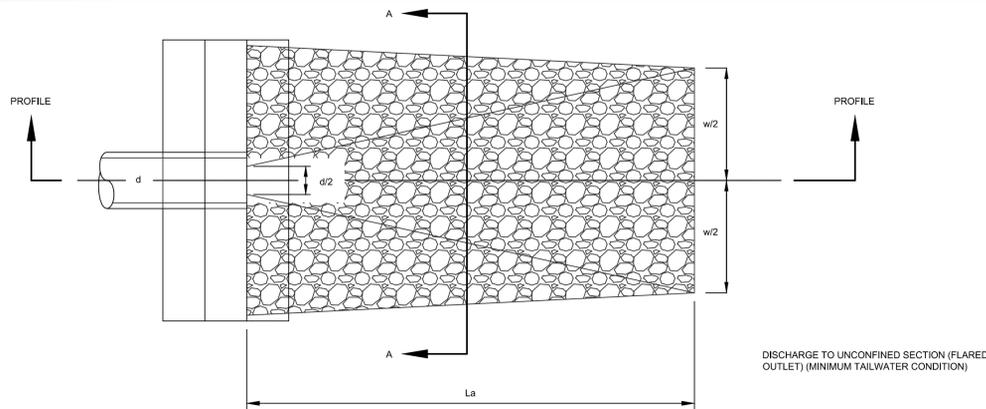
TRENCH DETAILS

HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

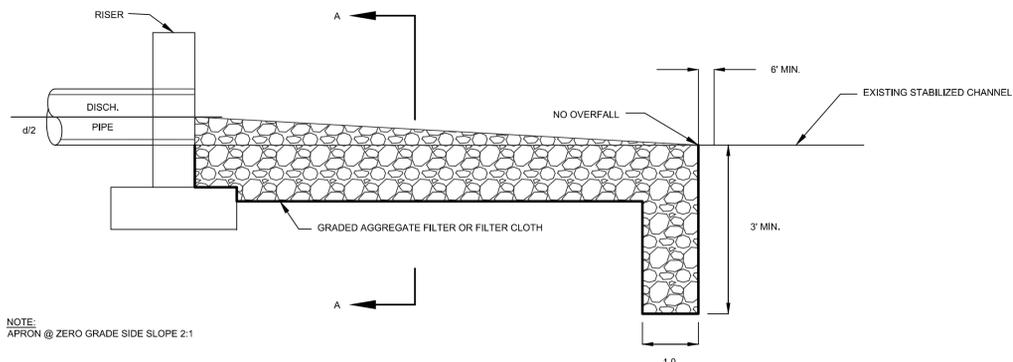
Project No: 2009-215E
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Drwg. No.

C504

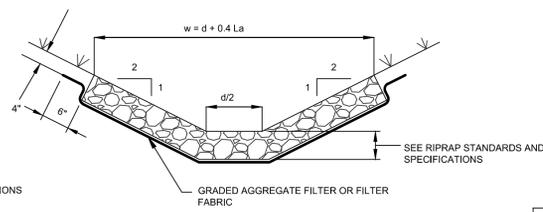
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PLAN VIEW



PROFILE VIEW



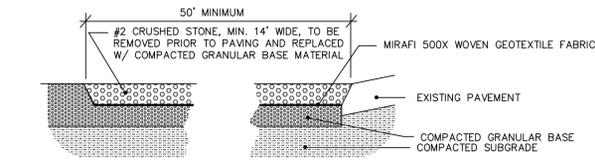
CROSS SECTION A-A

RIPRAP APRON/OUTFALL SPECIFICATIONS

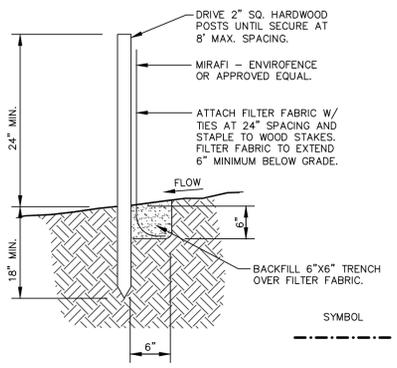
APRON TYPE	D50	Dmax	MIN. BLANKET THICKNESS	DIAMETER OF OUTLET (d)	MIN. APRON LENGTH (La)	WIDTH OF APRON (w)
1	8"	12"	18"	42"	22 FL.	26 FL.
2	6"	9"	14"	42"	8 FL.	12 FL.

- NOTES:
- RIPRAP OUTFALL LOCATIONS ARE SHOWN ON THE CIVIL PLANS.
 - THE OUTLET PROTECTION APRON SHALL BE CONSTRUCTED WITH NO SLOPE ALONG ITS LENGTH. THERE SHALL BE NO OVERFALL AT THE END OF THE APRON. THE ELEVATION OF THE DOWNSTREAM END OF THE APRON SHALL BE EQUAL TO THE ELEVATION OF THE RECEIVING CHANNEL OR ADJACENT GROUND.
 - THE OUTLET PROTECTION APRON SHALL BE LOCATED SO THAT THERE ARE NO BENDS IN THE HORIZONTAL ALIGNMENT.
 - STONE FOR RIPRAP SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE. THE STONE SHALL BE HARD AND ANGULAR AND OF A QUALITY THAT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHALL BE AT LEAST 2.5. RECYCLED CONCRETE EQUIVALENT MAY BE USED PROVIDED IT HAS A DENSITY OF AT LEAST 150 POUNDS PER CUBIC FOOT, AND DOES NOT HAVE ANY EXPOSED STEEL OR REINFORCING BARS.
 - RIPRAP SHALL HAVE A FILTER PLACED UNDER IT IN ALL CASES TO PREVENT SOIL MOVEMENT INTO AND THROUGH THE RIPRAP. THE FILTER MAY CONSIST OF A GRAVEL LAYER OR A PLASTIC FILTER CLOTH. THE PLASTIC FILTER CLOTH MAY BE WOVEN OR NON-WOVEN MONOFILAMENT YARNS, AND SHALL MEET THE FOLLOWING BASE REQUIREMENTS: THICKNESS 20-60 MILS, GRAB STRENGTH 90-120 LBS; AND SHALL CONFORM TO ASTM D-1682.
 - GRAVEL FILTER BLANKET, WHEN USED, SHALL BE DESIGNED BY COMPARING PARTICLE SIZES OF THE OVERLYING MATERIAL AND THE BASE MATERIAL. DESIGN CRITERIA IS AVAILABLE IN THE STANDARD AND SPECIFICATION FOR RIPRAP SLOPE PROTECTION ON PAGE 7B.57 OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
 - UPON RIPRAP OUTLET INSTALLATION, MAINTENANCE NEEDS ARE VERY LOW. HOWEVER RIPRAP OUTLETS SHOULD BE INSPECTED AFTER HIGH FLOWS FOR EVIDENCE OF SCOUR BENEATH THE RIPRAP OR FOR DISLODGED STONES. REPAIRS SHOULD BE MADE IMMEDIATELY.

1	RIPRAP OUTFALL DETAIL AND SPECIFICATIONS
C505	NOT TO SCALE

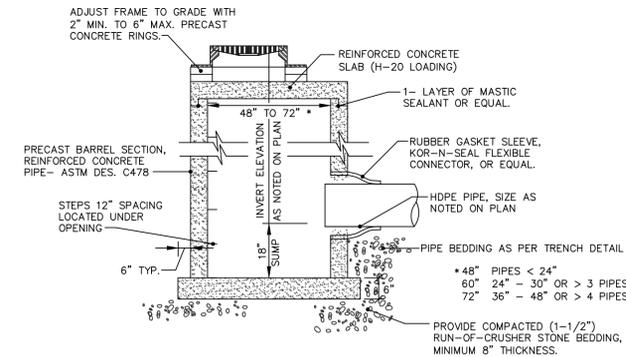
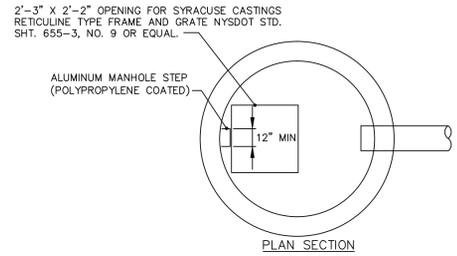


2	TYPICAL OFFSITE SEDIMENT TRACKING CONTROL
C505	NOT TO SCALE

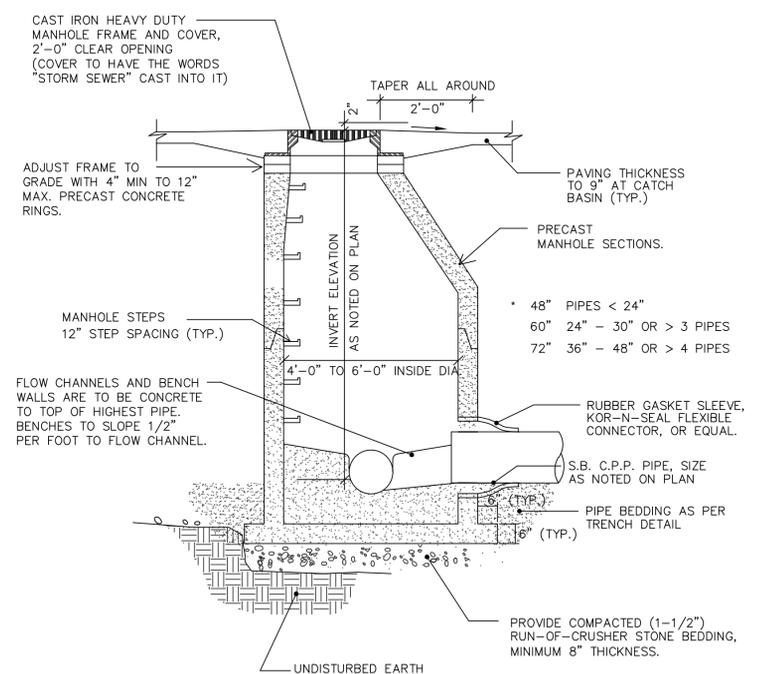


- NOTES:
- SILTATION FENCE TO REMAIN IN PLACE UNTIL LAWNS HAVE BEEN ESTABLISHED AND/OR FINISH SURFACES HAVE BEEN INSTALLED.
 - SILTATION FENCE TO BE CHECKED AND MAINTAINED THROUGHOUT CONSTRUCTION. SILT ACCUMULATIONS SHALL BE REMOVED PERIODICALLY AS REQUIRED.
 - SECTIONS OF FILTER FABRIC TO HAVE 12" OVERLAP AT WOOD STAKES AND STAPLED IN PLACE.

3	TYPICAL SILTATION FENCE DETAIL
C505	NOT TO SCALE

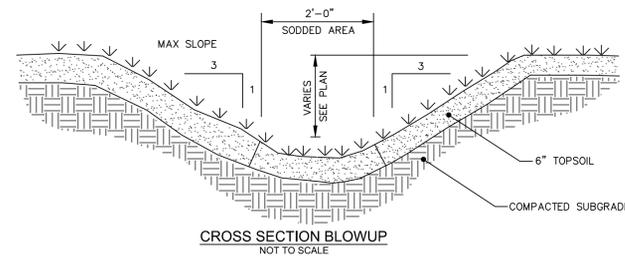


4	TYPICAL PRECAST CATCH BASIN DETAIL (CB)
C505	NOT TO SCALE

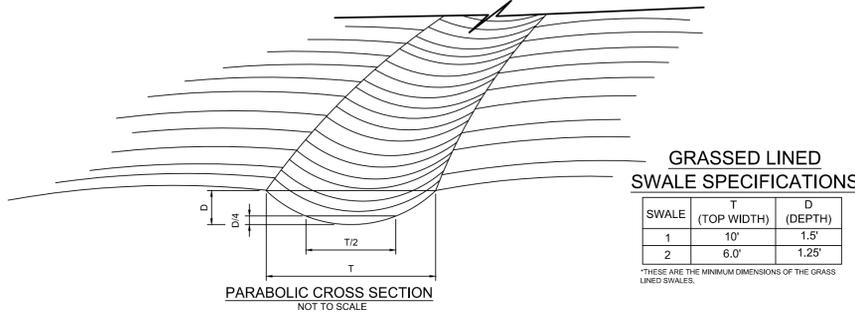


- NOTES:
- ALL MANHOLE SECTIONS TO BE HS-20 LOAD RATING MINIMUM.

5	STORM MANHOLE DETAIL (STMH)
C505	NOT TO SCALE



CROSS SECTION BLOWUP



PARABOLIC CROSS SECTION

GRASSED LINED SWALE SPECIFICATIONS

SWALE	T (TOP WIDTH)	D (DEPTH)
1	10'	1.5'
2	6.0'	1.25'

*THESE ARE THE MINIMUM DIMENSIONS OF THE GRASS LINED SWALES.

CONSTRUCTION SPECIFICATIONS

- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
- THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
- ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
- STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
- SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY WATERWAYS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE WATERWAY DURING THE ESTABLISHMENT OF THE VEGETATION.

6	GRASSED WATERWAY
C505	NOT TO SCALE

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STORM WATER AND ESC DETAILS
HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

Project No:	2009-215E
Scale:	As Noted
Date:	1/28/2010
Drawn By:	THR
Designed By:	RGC/PJS
Checked By:	
Date Issued:	1/28/2010
Drwg. No.	

C505

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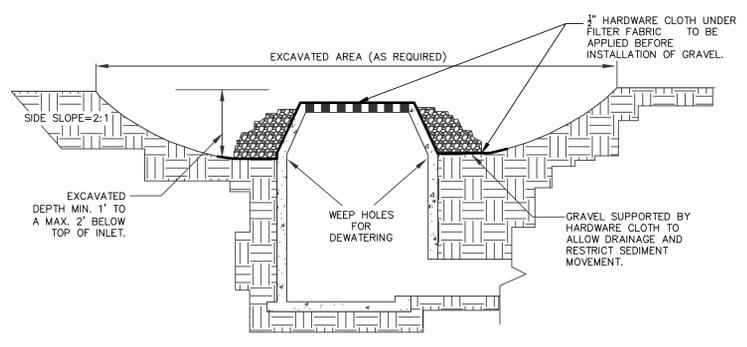
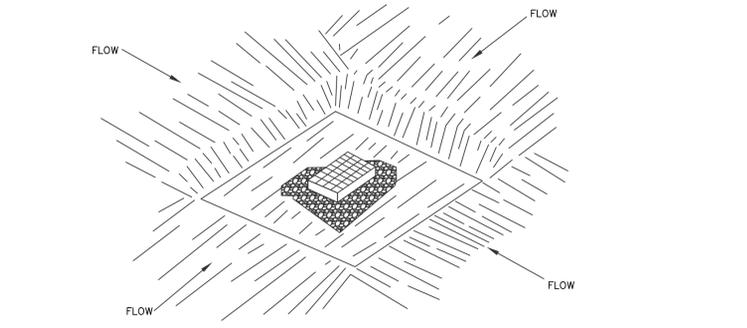


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TEMPORARY ESC DETAILS
HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/I-81, WATERTOWN, NY

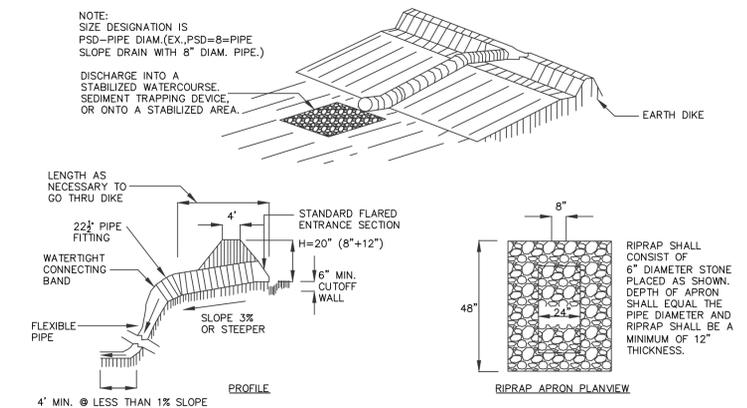
Project No: 2009-215E
Scale: As Noted
Date: 2/16/2010
Drawn By: THR
Designed By: RGC/PJS
Checked By:
Date Issued: 2/16/2010
Drwg. No.

C506



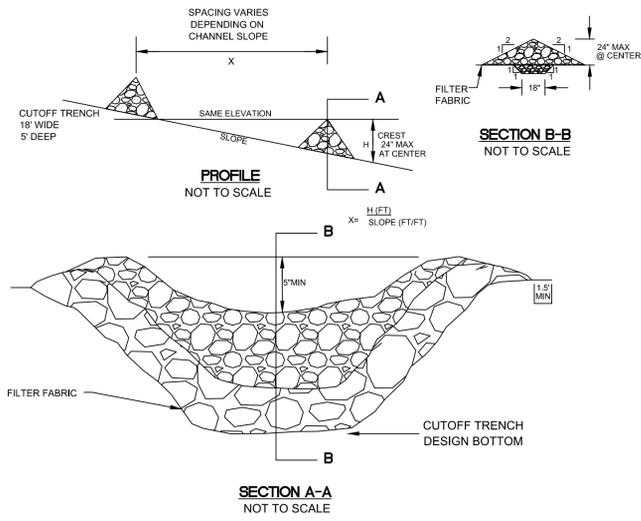
- CONSTRUCTION SPECIFICATIONS:**
- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
 - GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
 - WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
 - UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
- MAXIMUM DRAINAGE AREA 1 ACRE

1	EXCAVATED DROP INLET PROTECTION DETAIL
C506	NOT TO SCALE

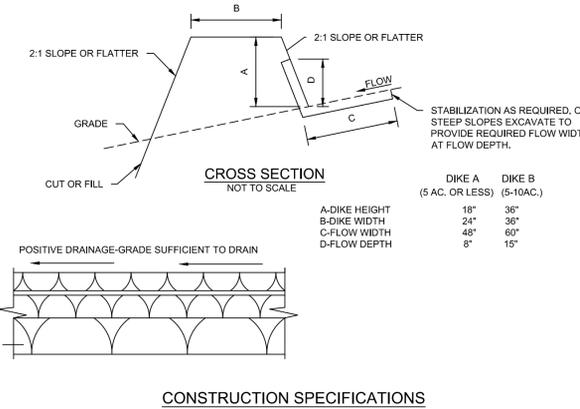


- CONSTRUCTION SPECIFICATIONS:**
- THE INLET PIPE SHALL HAVE A SLOPE OF 3% OR STEEPER.
 - THE TOP OF THE EARTH DIKE OVER THE INLET PIPE AND THOSE DIKES CARRYING WATER TO THE PIPE SHALL BE AT LEAST 1' HIGHER AT ALL POINTS THAN THE TOP OF THE INLET PIPE.
 - THE INLET PIPE SHALL BE HDPE PIPE WITH WATERTIGHT CONNECTING BANDS.
 - THE FLEXIBLE TUBING SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF A DURABLE MATERIAL WITH HOLD-DOWN GROMMETS SPACED AT 10' ON CENTER.
 - THE FLEXIBLE TUBING SHALL BE SECURELY FASTENED TO THE CORRUGATED METAL PIPE WITH METAL STRAPPING OR WATERTIGHT CONNECTING COLLARS.
 - THE FLEXIBLE TUBING SHALL BE SECURELY ANCHORED TO THE SLOPE BY STAKING AT THE GROMMETS PROVIDED.
 - A RIPRAP APRON SHALL BE PROVIDED AT THE OUTLET. THIS SHALL CONSIST OF 6" DIAMETER STONE PLACED AS SHOWN.
 - THE SOIL AROUND AND UNDER INLET PIPE AND ENTRANCE SECTION SHALL BE HAND TAMPED IN 4" LIFTS TO THE TOP OF THE EARTH DIKE.
 - FOLLOW-UP INSPECTION AND ANY NEEDED MAINTENANCE SHALL BE PERFORMED AFTER EACH STORM.
- *DRAINAGE AREA MUST NOT EXCEED 5 ACRES.

2	PIPE SLOPE DRAIN DETAIL
C506	NOT TO SCALE



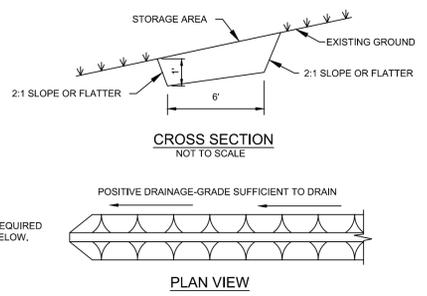
3	TYPICAL CHECK DAM DETAIL
C506	NOT TO SCALE
	D117-01



- CONSTRUCTION SPECIFICATIONS**
- ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
 - ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
 - TOP WIDTH MAY BE WIDER AND SIDE SLOPES BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
 - FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
 - EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUN-OFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
 - STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH IF NOT IN SEEDING SEASON. (B) FLOW CHANNEL AS PER CHART BELOW.

TYPE OF CHANNEL GRADE TREATMENT	SEED & STRAW MULCH	SEED & STRAW MULCH	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN
1	0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	ENGINEERING DESIGN
2	3.1-5.0%	SEED & STRAW MULCH	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN
3	5.1-8.0%	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN	
4	8.1-20%	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN		

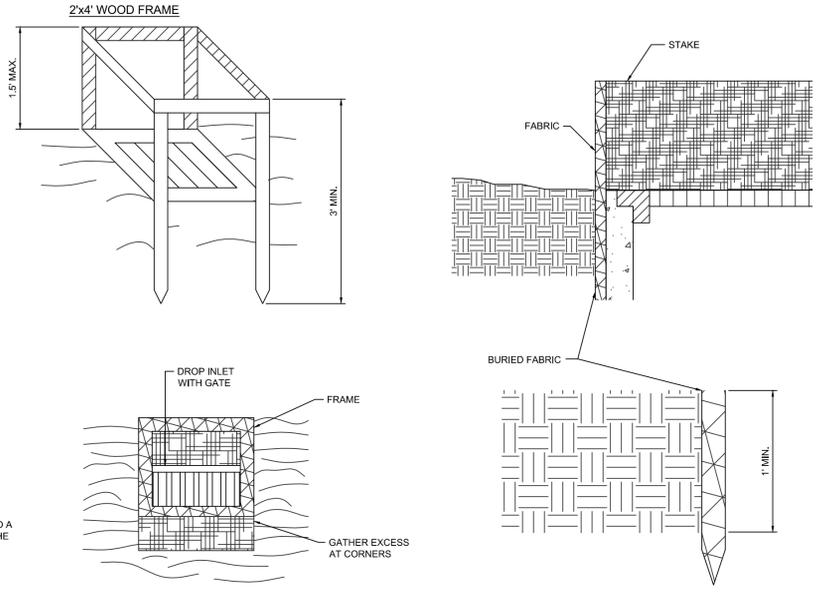
4	TEMPORARY EARTH DIKE
C506	NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS**
- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 - DIVERTED RUN-OFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 - DIVERTED RUN-OFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
 - ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
 - THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
 - FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
 - ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
 - STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW:

TYPE OF CHANNEL GRADE TREATMENT	SEED & STRAW MULCH	SEED & STRAW MULCH	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN
1	0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	ENGINEERING DESIGN
2	3.1-5.0%	SEED & STRAW MULCH	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN
3	5.1-8.0%	SEED AND COVER WITH JUTE OR EXCELSIOR, SOD, OR LINED WITH 2" STONE	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN	
4	8.1-20%	LINE WITH 4"-8" STONE OR RECYCLED CONCRETE EQUIVALENT	ENGINEERING DESIGN		

5	TEMPORARY SWALE
C506	NOT TO SCALE



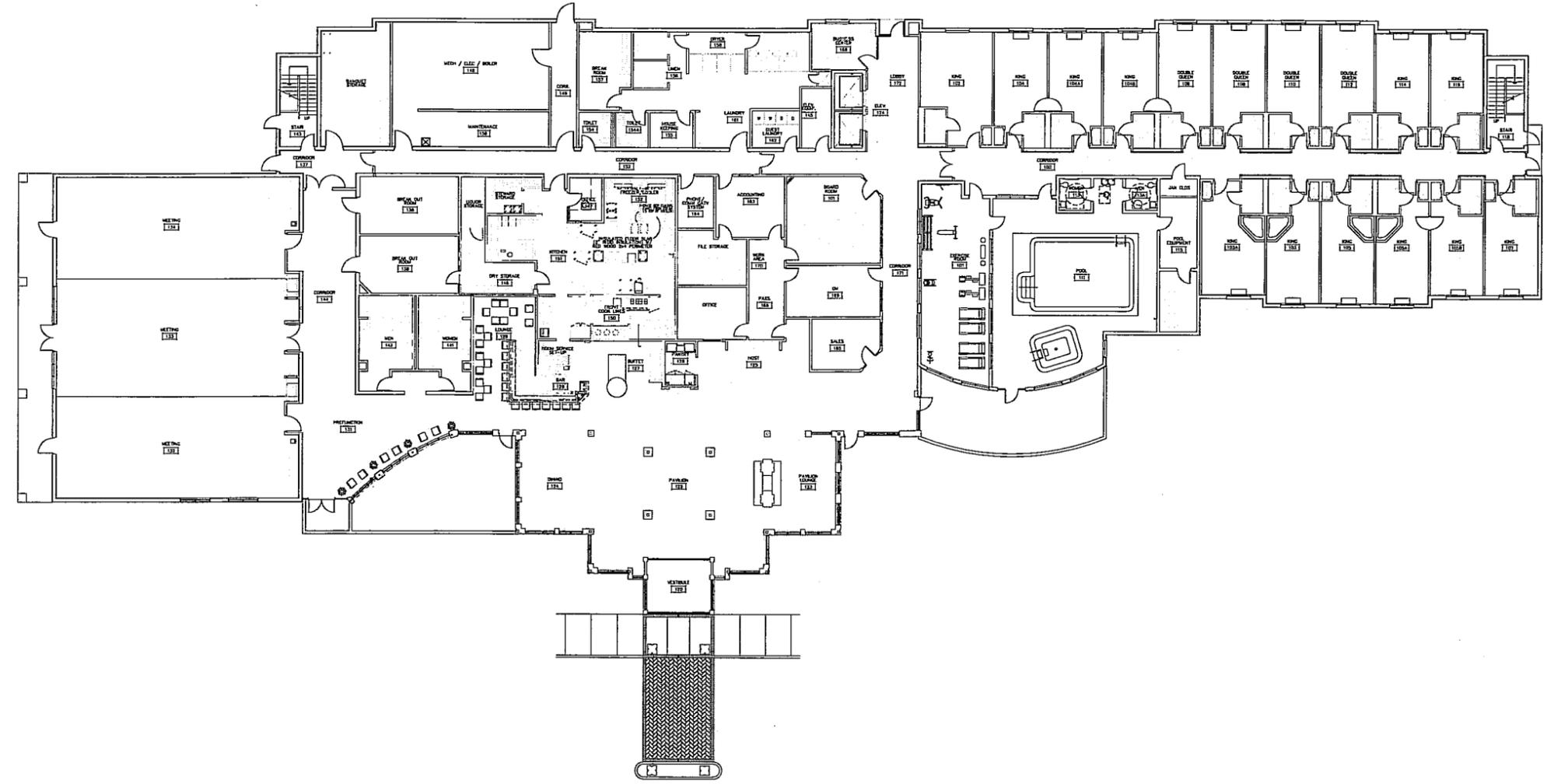
- CONSTRUCTION SPECIFICATIONS**
- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
 - CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
 - STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
 - FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
 - A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
- MAXIMUM DRAINAGE AREA 1 ACRE.

6	FILTER FABRIC DROP INLET PROTECTION DETAIL
C506	NOT TO SCALE



EAST ELEVATION

1/16" = 1'-0"



FIRST FLOOR PLAN
1/16" = 1'-0"



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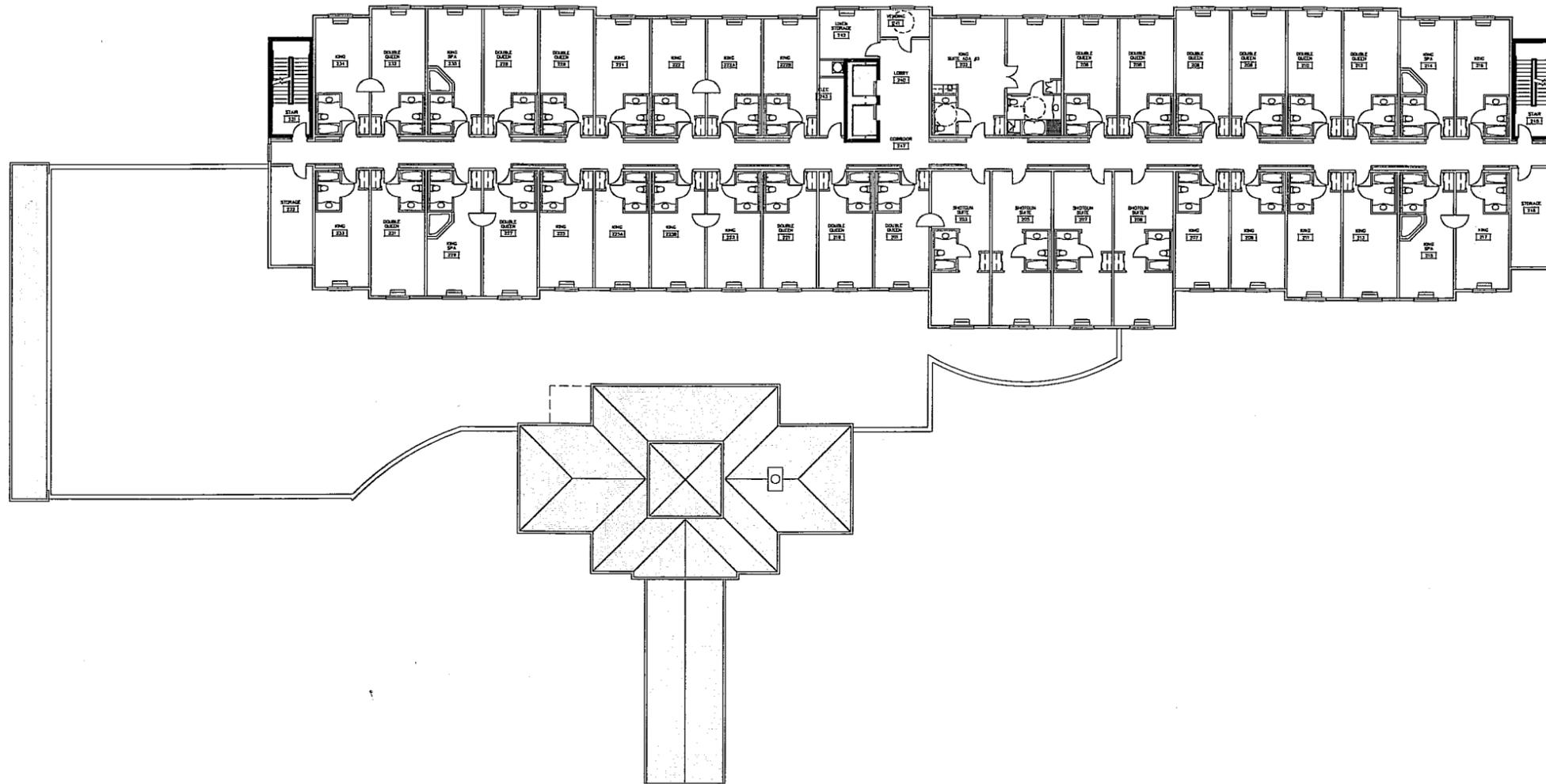


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PROPOSED FIRST FLOOR PLAN AND ELEVATION
HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/I-81, WATERTOWN, NY

Project No: 2009-215E
Scale: As Noted
Date: 02/16/10
Drawn By: DPA
Designed By: DPA
Checked By: TSC
Date Issued: 02/16/10
Dwg. No.

A-100



SECOND FLOOR PLAN

1/16" = 1'-0"



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PROPOSED 2ND, 3RD, 4TH FLOOR PLANS
HILTON GARDEN INN/PHASE TWO
WATERTOWN CITY CENTER PLAZA
ARSENAL ST/1-81, WATERTOWN, NY

Project No: 2009-215E
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