

From: LUNCO Front Desk [frontdesk@mlundygroup.com]
Sent: Monday, December 17, 2012 2:35 PM
To: Nichols, Andrew; Mix, Kenneth; Wood, Justin
Cc: 'Steve Olmstead'
Subject: RE: Parkside
Attachments: Tabled 491 Eastern Blvd - Site Plan.pdf

Andrew, Justin, & Ken,

I am writing in response to the October 29th Memorandum in regard to Parkside Bible Church. Below I have addressed each item of the Summary.

1. We have decided to move forward with a NYS DEC SWPPP. It will be designed to incorporate any future site improvements and/or parking lot additions. The SWPPP and Notice shall be provided to the City prior to issuance of a Building Permit.
2. Appropriate signage shall be constructed with the project. Signs shall be pedestal as opposed to paving signs. Final signage shall be installed prior to completion as a condition of the Certificate of Occupancy.
3. The new fire hydrant shall be shown at the southwest corner of the structure with the appropriate reconfiguration of water line and valves.
4. See Item 3
5. The parking lot configuration shall be modified to allow for fire truck movement through the parking lot.
6. We agree to provide proper notice
7. Detail will need to be field determined during the construction of the sewer lateral. City engineering shall be kept abreast and final sizes will be shown on the as-builts
8. Parkside Bible Church disagrees with the Planning Board's recommendation of additional landscaping. The building perimeter shall be landscaped in a manner consistent with the existing. However, no additional tree are desired around the parking lots or in front of the building. The rear of the building will be an open lawn area for outdoor functions and no trees are desired.
9. See Item 8
10. See Item 8
11. Once Parkside Bible Church is comfortable that the Overall Concept Plan will be approved by the Planning Board they will move forward with a new wet stamp survey that includes the appropriate City datum.
12. See Item 11

13. The Plans will be changed accordingly

14. Parkside Bible Church and Stebbins Engineering & Manufacturing shall prepare a new driveway and cross easement plan to be filed with the County Clerk and provided to the City prior to issuance of the Building Permit.

Please give me a call with any questions or concerns.

Best Regards,
Mike

From: Nichols, Andrew [mailto:ANichols@watertown-ny.gov]
Sent: Thursday, November 01, 2012 5:02 PM
To: 'Lunco Front Desk'
Subject: RE: Parkside

Staff report attached.

--

Andrew T. Nichols
Planner - City of Watertown, NY
anichols@watertown-ny.gov
(315) 785-7725

From: Lunco Front Desk [mailto:frontdesk@mlundygroup.com]
Sent: Wednesday, October 31, 2012 10:27 AM
To: Nichols, Andrew
Subject: Parkside

Andrew,

Did you receive the revised Parkside Bible Church Site Plans? Please let me know if you have any questions or issues.

Thank you,
Mike

by:
Administrative Assistant to Michael E. Lundy
Lundy Group of Companies
35794 NYS Route 126
Carthage, NY 13619
PH: 315-493-2493
Fax: 315-493-2004

New Expansion Project Parkside Bible Church

491 Eastern Boulevard, Huntington Street
City of Watertown, Jefferson County, New York

ISSUE DATE: 12/17/12 (Rev.-4)

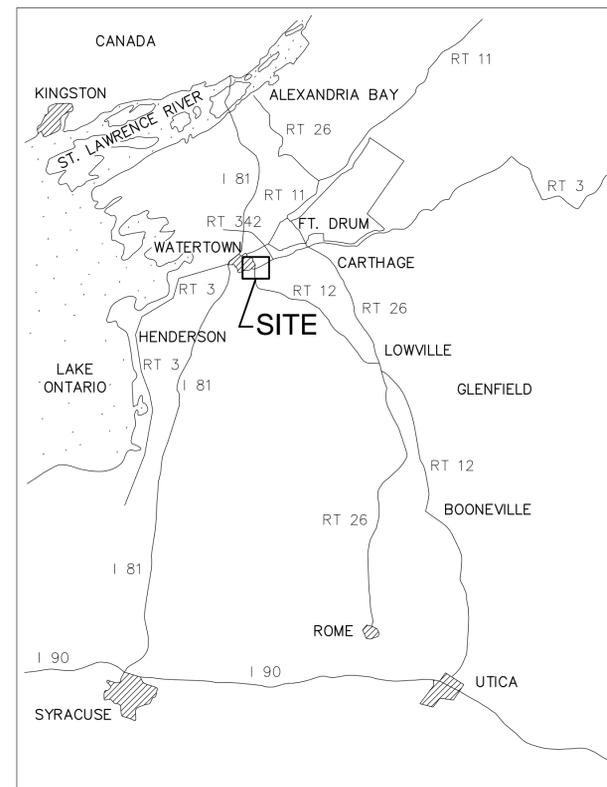
SITE DRAWING LIST

- T100 - TITLE SHEET
- C100 - EXISTING SITE PLAN
- C101 - SITE LAYOUT PLAN
- C102 - SITE LIGHTING AND UTILITY PLAN
- C103 - SITE GRADING AND DRAINAGE PLAN
- C501 - SITE DETAILS
- C502 - SITE DETAILS
- C503 - SITE DETAILS
- C504 - SITE DETAILS
- C505 - SITE DETAILS



Wilbur D. Thesier, P.E., P.C.
PROFESSIONAL ENGINEER
 P.O. BOX 870
 CARTHAGE, NY 13619
 PHONE: (315) 493-1966

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY. ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



 **AREA LOCATION MAP**
Not to Scale

Wilbur D. Thesier, P.E. PC
PROFESSIONAL ENGINEER
 PO BOX 870, CARTHAGE, NY 13619
 PHONE: (315) 493-1966

New Expansion Project
Parkside Bible Church
 491 Eastern Boulevard, Huntington Street
 City of Watertown, Jefferson County, New York

REVISIONS

DATE	DESCRIPTION	BY
09/17/12	REVISION NO.-1	WJL
10/18/12	REVISION NO.-2	WJL
10/24/12	REVISION NO.-3	WJL
12/17/12	REVISION NO.-4	WJL

DATE	08/20/12
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	AS SHOWN

DRAWING NO.
T100

TITLE
PAGE



Benjamin W. Ryan
to
Helen Loomis
Liber 917 Page 741
Recorded August 31, 1981

Frank Cook
to
Watertown Associates
Liber 922 Page 883
Recorded May 21, 1982

MAP REFERENCE:
Retracement Survey
"Survey Map of the Land of Watertown Associates,
United Group of Companies, Inc., Hunting Street,
Colorado Avenue & Eastern Boulevard, City of
Watertown, County of Jefferson, State of New
York." Dated 9/17/2003 by Bernier Carr Group.

DEED REFERENCE:
Parkside Bible Church of the
Christian & Missionary Alliance to
Parkside Bible Church of the
Christian & Missionary Alliance
File Number 2005-6509
Recorded May 5, 2005
Area = 8.376 acres±

- LEGEND:**
- - 1/2" IRON PIPE WITH CAP SET
 - - IRON PIPE FOUND (As Noted)
 - - UTILITY POLE
 - ☆ - LIGHT POLE
 - - SIGN
 - ⊕ - FIRE HYDRANT
 - ⊕ - WATER VALVE
 - W — UNDERGROUND WATER LINE
 - OU — OVERHEAD UTILITY LINES
 - SN — SANITARY SEWER LINE
 - ST — STORM DRAIN LINE
 - X — X — WIRE LINK FENCE
 - — — CONCRETE CURB
 - 100 — INDEX CONTOUR
 - 101 — CONTOUR

INFORMATION TAKEN FROM SITE SURVEY PERFORMED BY
GYMO ARCHITECTURE, ENGINEERING & LAND SURVEYING P.C.
PROJECT NO.: 85-2898.01, ISSUE DATE 05/19/2008

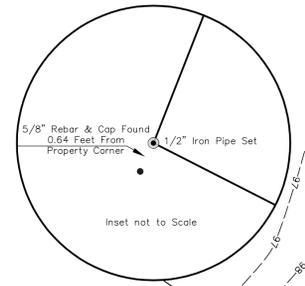
Wilbur D. Thesier, P.E. PC
PROFESSIONAL ENGINEER
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PHONE: (315) 493-1966

New Expansion Project
Parkside Bible Church
491 Eastern Boulevard, Huntington Street
City of Watertown, Jefferson County, New York

REVISIONS		
DATE	DESCRIPTION	BY
12/17/12	REVISION NO.-4 SCALE CHANGED FROM 1"=50' TO 1"=40'	WJL

DATE	08/20/12
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	1" = 40'-0"
DRAWING NO.	C100

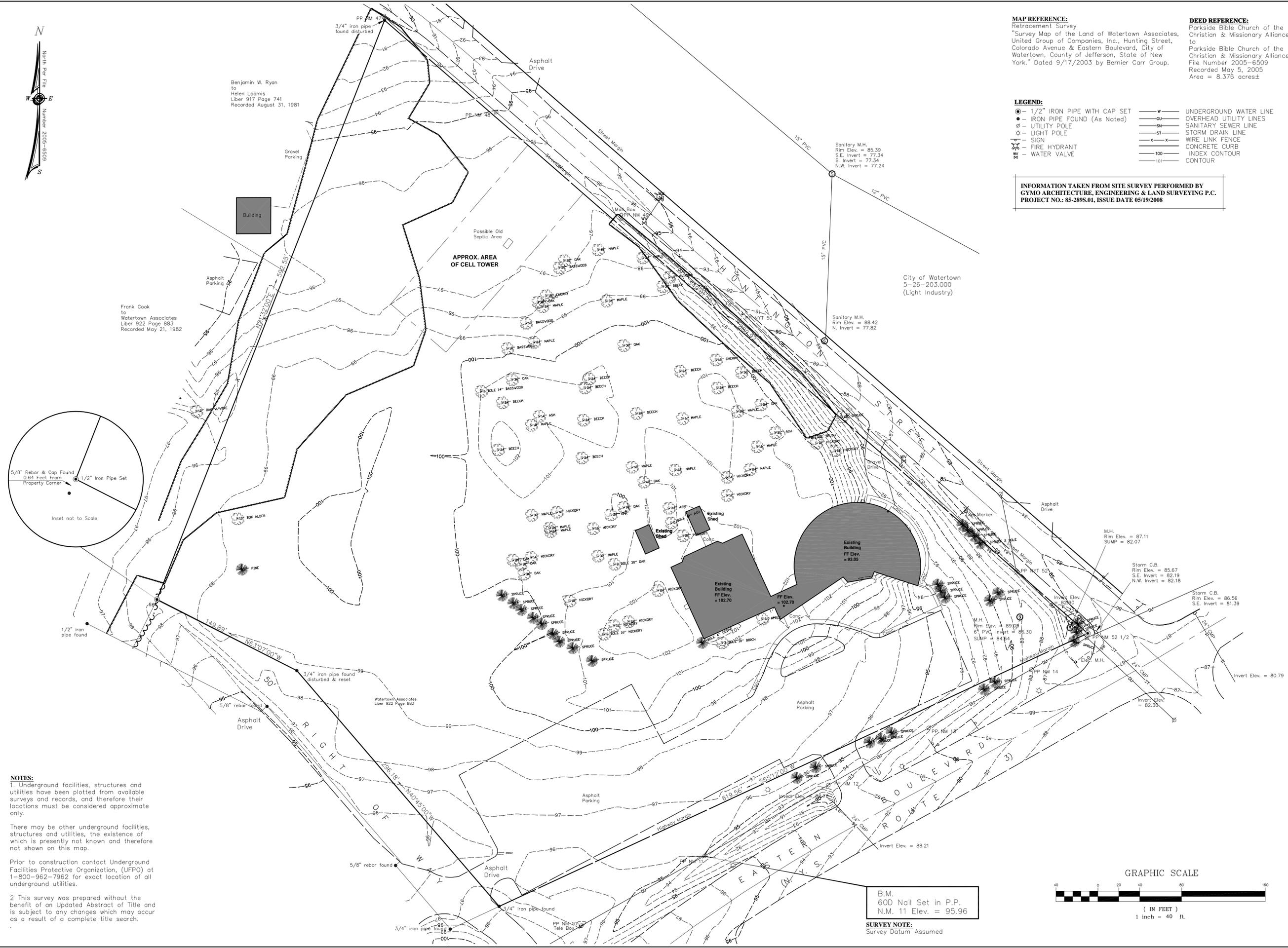
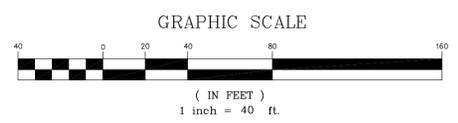
EXISTING
SITE PLAN



NOTES:
1. 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 other underground facilities, structures and utilities, the existence of which is presently not known and therefore not shown on this map.
Prior to construction contact Underground Facilities Protective Organization, (UFPO) at 1-800-962-7962 for exact location of all underground utilities.
2 This survey was prepared without the benefit of an Updated Abstract of Title and is subject to any changes which may occur as a result of a complete title search.

B.M.
60D Nail Set in P.P.
N.M. 11 Elev. = 95.96

SURVEY NOTE:
Survey Datum Assumed





- GENERAL SITE NOTES:**
1. LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE VISIBLE AND/OR AVAILABLE UTILITY MAPPING, AND CONSIDERED APPROXIMATE ONLY. OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST; VERIFY THE LOCATION AND EXTENT OF ALL UTILITY INFORMATION BY CONTACTING THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION, INC. AT 1-800-962-7692
 2. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. IN CASE OF ANY DISCREPANCY NOTIFY ARCHITECT/ ENGINEER
 3. VERIFY THE CHARACTERISTICS AND EXTENT OF SUBSURFACE SOILS PRIOR TO CONSTRUCTION. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT/ENGINEER.
 4. THE PROJECT WORK LIMITS FOR ALL NEW CONSTRUCTION ARE THE SITE BOUNDARY LINES, UNLESS NOTED OTHERWISE
 5. SUPPORT ALL UTILITIES EXPOSED BY EXCAVATION. SUPPORT SYSTEMS TO BE RECOMMENDED BY THE UTILITY AUTHORITY HAVING JURISDICTION.
 6. ALL DIMENSIONS ARE TO FACE OF STRUCTURE, OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
 7. PAVED AREAS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
 8. DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
 9. GRADE TO DRAIN AWAY FROM ALL NEW STRUCTURES.
 11. BLEND ALL NEW WORK SMOOTHLY WITH EXISTING.
 12. REPAIR TO MATCH EXISTING CONDITIONS ALL EXISTING SITE IMPROVEMENTS DISTURBED DURING CONSTRUCTION THAT ARE DESIGNATED TO REMAIN.
 13. FINE GRADE AND SEED ALL AREAS DISTURBED BY THIS CONSTRUCTION, WHICH ARE NOT OTHERWISE NOTED.

TAX PARCEL: 5-26-103.007
 OWNER: Parkside Bible Church of C&ME

PROJECT INFORMATION
 CURRENT ZONING: LIGHT INDUSTRY (LI)
 LOT AREA: 8.376 AC± (364,858 S.F.±)
 EXISTING BUILDING AREA: 13,700 S.F.
 NEW BUILDING AREA: 12,500 S.F.
 TOTAL BUILDING AREA: 26,200 S.F.
 TOTAL PAVED AREA: 64,500 S.F.
 TOTAL ON SITE PARKING: 126 SPACES (10x20)

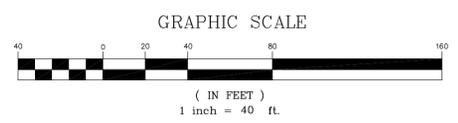
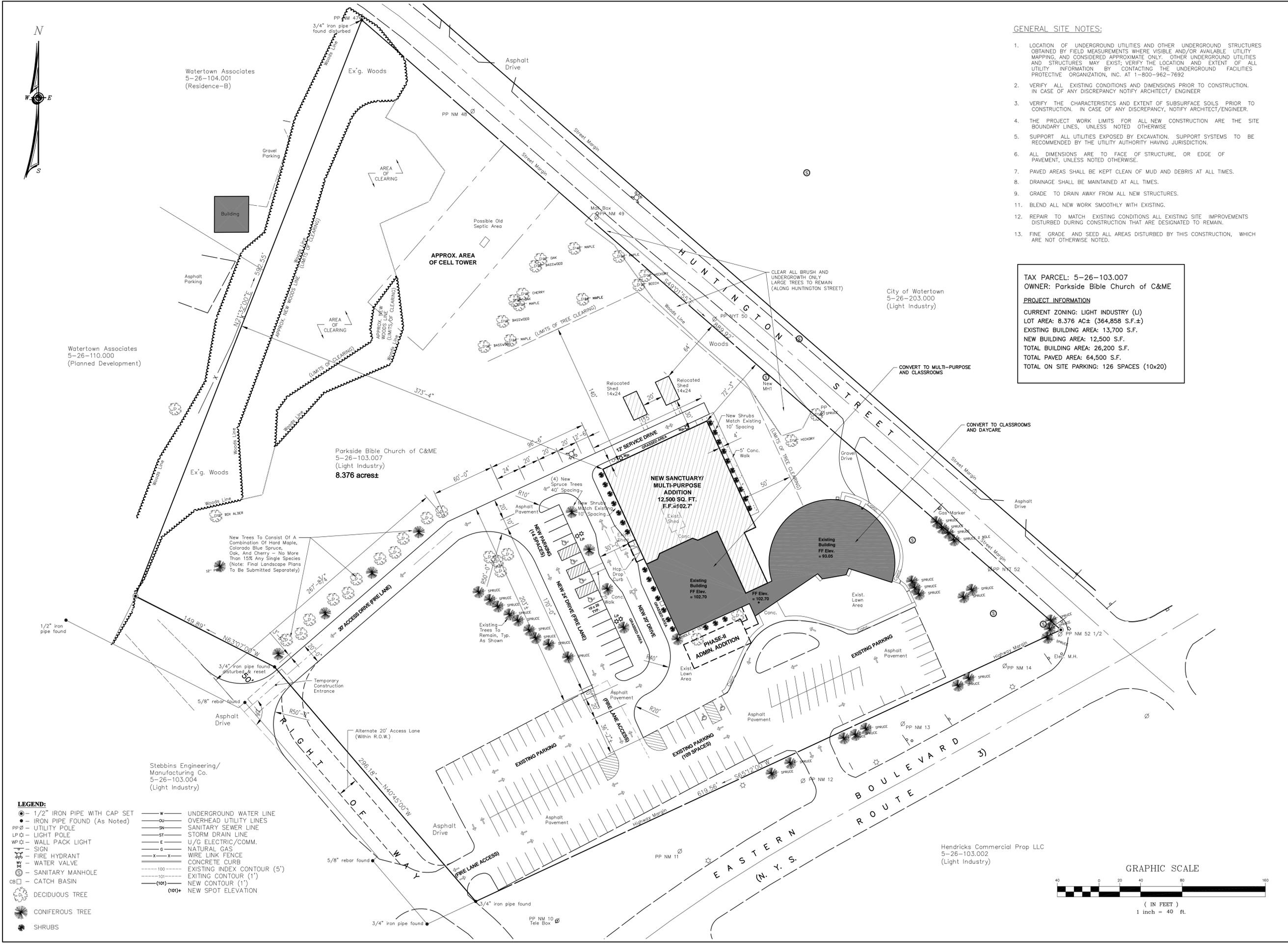
Wilbur D. Thesier, P.E. PC
PROFESSIONAL ENGINEER
 PO BOX 870, CARTHAGE, NY 13619
 PHONE: (315) 493-1966

New Expansion Project
Parkside Bible Church
 491 Eastern Boulevard, Huntington Street
 City of Watertown, Jefferson County, New York

REVISIONS		
DATE	DESCRIPTION	BY
10/18/12	REVISION NO.-2	W.J.L.
10/24/12	REVISION NO.-3	W.J.L.
12/17/12	REVISION NO.-4 REVISED PLANTINGS AND TREE CLEARING ALT. ACCESS LANE	W.J.L.

DATE	08/20/12
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	1" = 40'-0"

DRAWING NO.
C101
 SITE LAYOUT PLAN





Watertown Associates
5-26-104.001
(Residence-B)

Watertown Associates
5-26-110.000
(Planned Development)

Stebbins Engineering/
Manufacturing Co.
5-26-103.004
(Light Industry)

- LEGEND:**
- 1/2" IRON PIPE WITH CAP SET
 - IRON PIPE FOUND (As Noted)
 - PP ○ UTILITY POLE
 - LP ☆ LIGHT POLE
 - WP ☆ WALL PACK LIGHT
 - ☆ SIGN
 - ☆ FIRE HYDRANT
 - ☆ WATER VALVE
 - SANITARY MANHOLE
 - CB □ CATCH BASIN
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - SHRUBS
 - w UNDERGROUND WATER LINE
 - ou OVERHEAD UTILITY LINES
 - sn SANITARY SEWER LINE
 - st STORM DRAIN LINE
 - e U/G ELECTRIC/COMM.
 - g NATURAL GAS
 - x-x WIRE LINK FENCE
 - CONCRETE CURB
 - EXISTING INDEX CONTOUR (5')
 - EXISTING CONTOUR (1')
 - (101) NEW CONTOUR (1')
 - (101)+ NEW SPOT ELEVATION

UTILITY NOTES:

- LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE VISIBLE AND/OR AVAILABLE UTILITY MAPPING, AND CONSIDERED APPROXIMATE ONLY. OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST; VERIFY THE LOCATION AND EXTENT OF ALL UTILITY INFORMATION BY CONTACTING THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION, INC. AT 1-800-962-7692
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. IN CASE OF ANY DISCREPANCY NOTIFY PROJECT ENGINEER
- ALL WORK TO BE PERFORMED WITHIN THE CITY OF WATERTOWN MARGIN WILL REQUIRE SIGN-OFF FROM A PROFESSIONAL ENGINEER, LICENSED AND CURRENTLY REGISTERED TO PRACTICE IN THE STATE OF NEW YORK. THAT THE WORK WAS BUILT ACCORDING TO THE APPROVED SITE PLAN AND APPLICABLE CITY OF WATERTOWN STANDARDS. COMPACTION TESTING WILL BE REQUIRED FOR ALL WORK TO BE PERFORMED WITHIN THE CITY OF WATERTOWN MARGIN AND MUST BE SUBMITTED TO THE CITY OF WATERTOWN CODES DEPARTMENT.
- ALL WATER MAIN AND SERVICE WORK MUST BE COORDINATED WITH THE CITY OF WATERTOWN WATER DEPARTMENT. THE WATER DEPARTMENT REQUIREMENTS SUPERCEDE ALL OTHER PLANS AND SPECIFICATIONS PROVIDED.
- SANITARY INSTALLATION CROSSING HUNTINGTON STREET TO BE OPEN CUT OF ROAD METHOD. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FROM THE CITY OF WATERTOWN. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL, ROAD RESTORATION, COMPACTION TESTING, AND OSHA COMPLIANCE. ONE TRAFFIC LANE SHALL REMAIN OPEN AT ALL TIMES.

- SITE LIGHTING KEY:**
- LP-1 ☆ 20' LIGHT POLE W/
(2) 250W METAL HALIDE
 - WP-1 ☆ BUILDING MOUNTED WALL PACK
250W METAL HALIDE, 16' HEIGHT

Wilbur D. Thesier, P.E. PC
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PHONE: (315) 493-1966

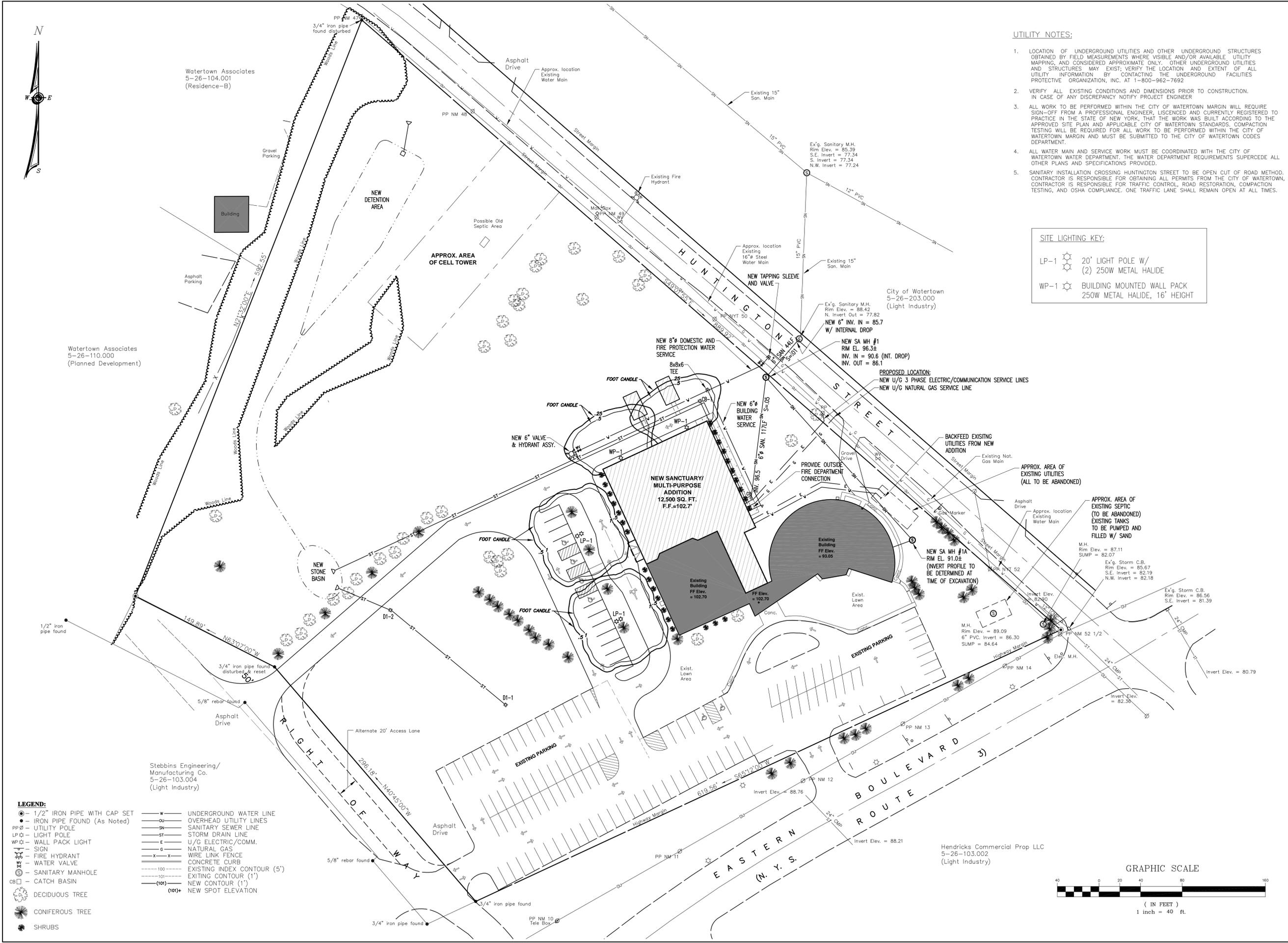
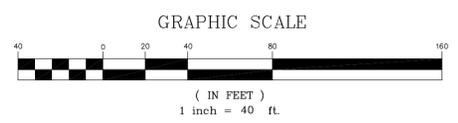
New Expansion Project
Parkside Bible Church
491 Eastern Boulevard, Huntington Street
City of Watertown, Jefferson County, New York

REVISIONS

DATE	DESCRIPTION	BY
09/17/12	REVISED NEW SANITARY INVERTS	WJL
10/18/12	REVISION NO.-2	WJL
10/24/12	REVISION NO.-3	WJL
12/17/12	REVISION NO.-4 REVISED WATER LINE/ FIRE HYDRANT	WJL

DATE	08/20/12
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	1" = 40'-0"
DRAWING NO.	C102

**SITE LIGHTING
AND UTILITY PLAN**





Watertown Associates
5-26-104.001
(Residence-B)

Watertown Associates
5-26-110.000
(Planned Development)

Stebbins Engineering/
Manufacturing Co.
5-26-103.004
(Light Industry)

City of Watertown
5-26-203.000
(Light Industry)

Hendricks Commercial Prop LLC
5-26-103.002
(Light Industry)

EARTHWORK NOTES:

1. DURING CONSTRUCTION AND UNTIL DISTURBED AREAS ARE STABILIZED, MAINTAIN THE SITE AGAINST THE FORCES OF WATER AND WIND EROSION.
2. RESTRICT GRADING OPERATIONS TO AREAS SHOWN ON THE CONSTRUCTION DRAWINGS. GRADING OUTSIDE THE PROJECT WORK LIMITS WILL NOT BE PERMITTED.
3. BACKFILL ALL EXCAVATIONS WITH COMPACTED GRANULAR FILL IN 6" LIFTS TO 95% DENSITY.
4. TOPSOIL REQUIRED FOR ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISH GRADING OF ALL EXPOSED AREAS. ANY EXCESS TOPSOIL SHALL BE SPREAD ON-SITE OR REMOVED FROM SITE UPON COMPLETION OF EARTHWORK OPERATIONS.
5. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE VEGETATION, ROOTS, OR OTHER EXTRANEUS MATERIAL PRIOR TO PLACING FILL.
6. REMOVE FROM SITE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL NOT USED ELSEWHERE.
7. FROZEN MATERIAL OR SOFT, ORGANIC OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILL SLOPES OR STRUCTURAL FILLS.
8. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH APPROVED DEWATERING METHODS.

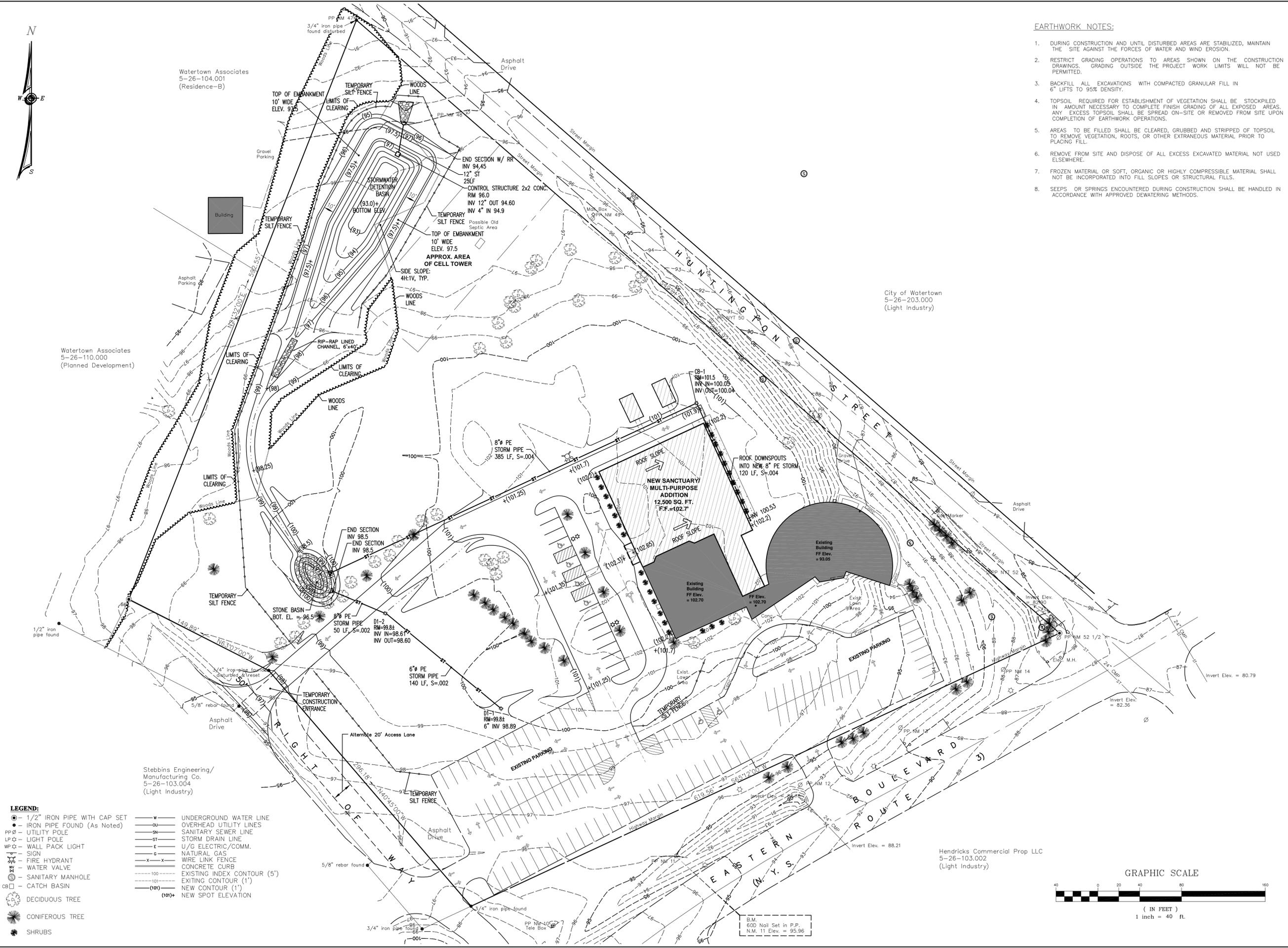
Wilbur D. Thesier, P.E. PC
PROFESSIONAL ENGINEER
PO BOX 870, CARTHAGE, NY 13619
PHONE: (315) 493-1966

New Expansion Project
Parkside Bible Church
491 Eastern Boulevard, Huntington Street
City of Watertown, Jefferson County, New York

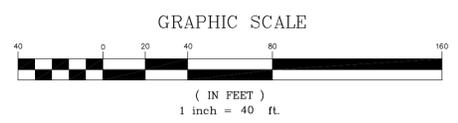
REVISIONS		
DATE	DESCRIPTION	BY
09/17/12	REVISED GRADING AND DRAINAGE	WJL
10/18/12	REVISION NO.-2	WJL
10/24/12	REVISION NO.-3	WJL
12/17/12	REVISION NO.-4	WJL

DATE	08/20/12
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	1" = 40'-0"
DRAWING NO.	C103

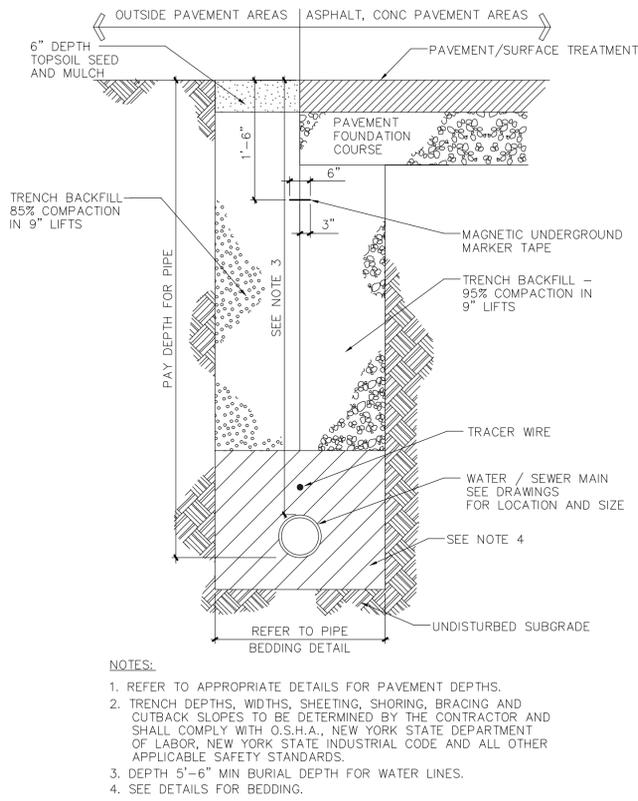
SITE GRADING AND DRAINAGE PLAN



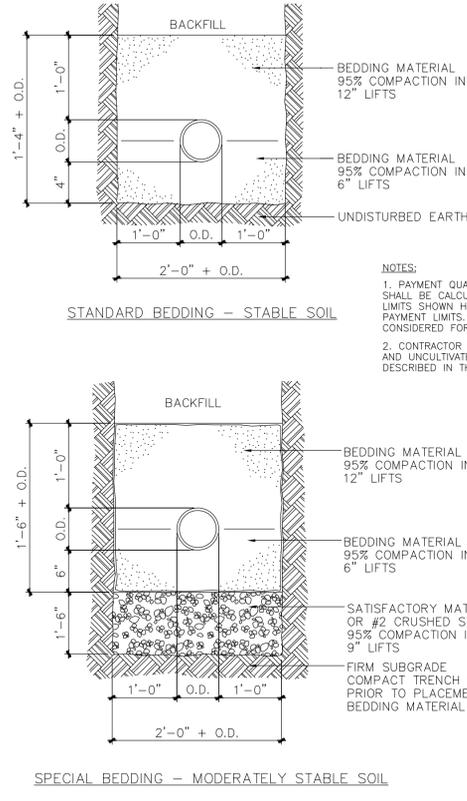
- LEGEND:**
- 1/2" IRON PIPE WITH CAP SET
 - IRON PIPE FOUND (As Noted)
 - PP ○ UTILITY POLE
 - LP ○ LIGHT POLE
 - WP ○ WALL PACK LIGHT
 - SIGN
 - FIRE HYDRANT
 - WATER VALVE
 - SANITARY MANHOLE
 - CB □ CATCH BASIN
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - SHRUBS
 - w — UNDERGROUND WATER LINE
 - ou — OVERHEAD UTILITY LINES
 - sn — SANITARY SEWER LINE
 - st — STORM DRAIN LINE
 - e — U/G ELECTRIC/COMM.
 - g — NATURAL GAS
 - x — WIRE LINK FENCE
 - x — CONCRETE CURB
 - 100 — EXISTING INDEX CONTOUR (5')
 - 101 — EXISTING CONTOUR (1')
 - (101) — NEW CONTOUR (1')
 - (101)+ — NEW SPOT ELEVATION



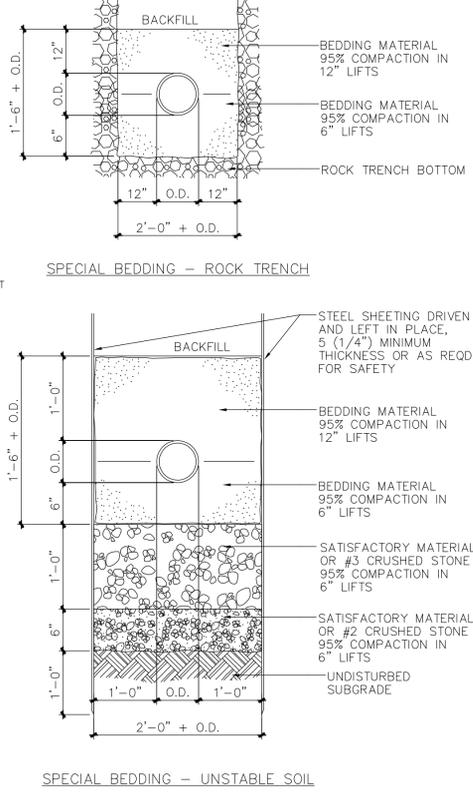
B.M.
600 Nail Set in P.P.
N.M. 11 Elev. = 95.96



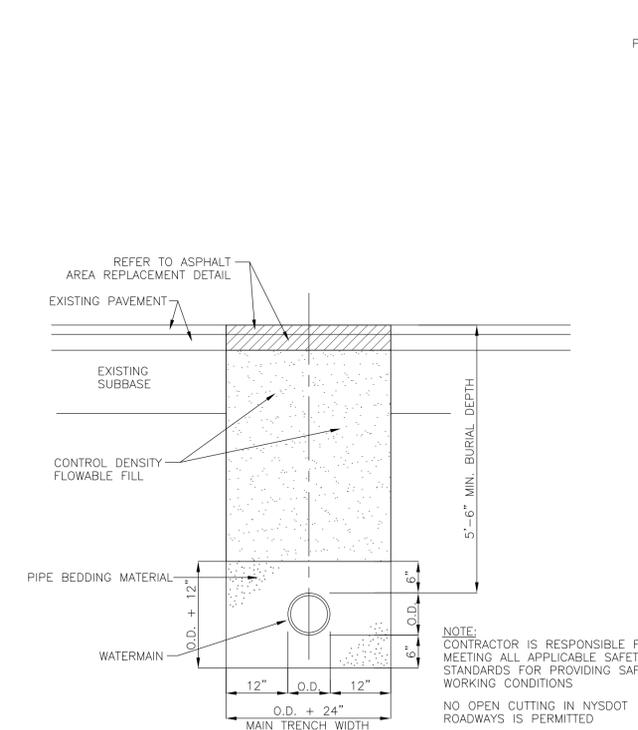
1 TYPICAL PIPE TRENCH DETAIL
C501 SCALE: NONE



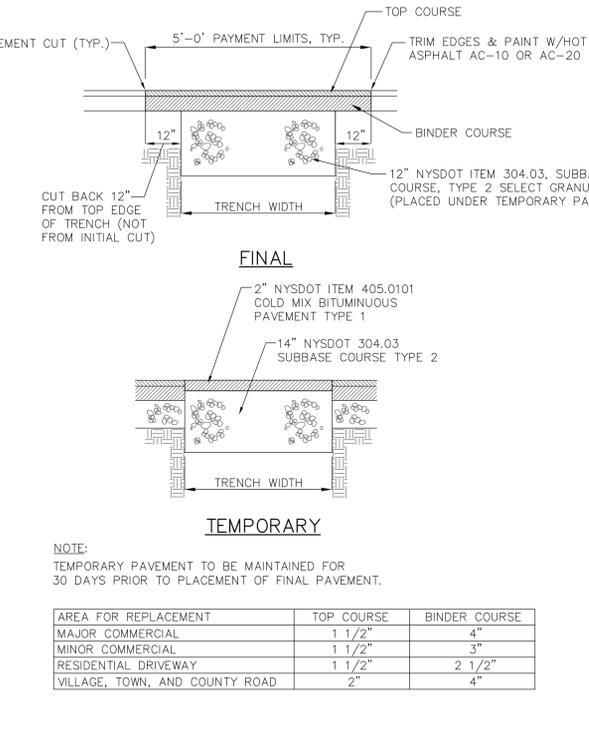
2 TYPICAL PIPE BEDDING DETAILS
C501 SCALE: NONE



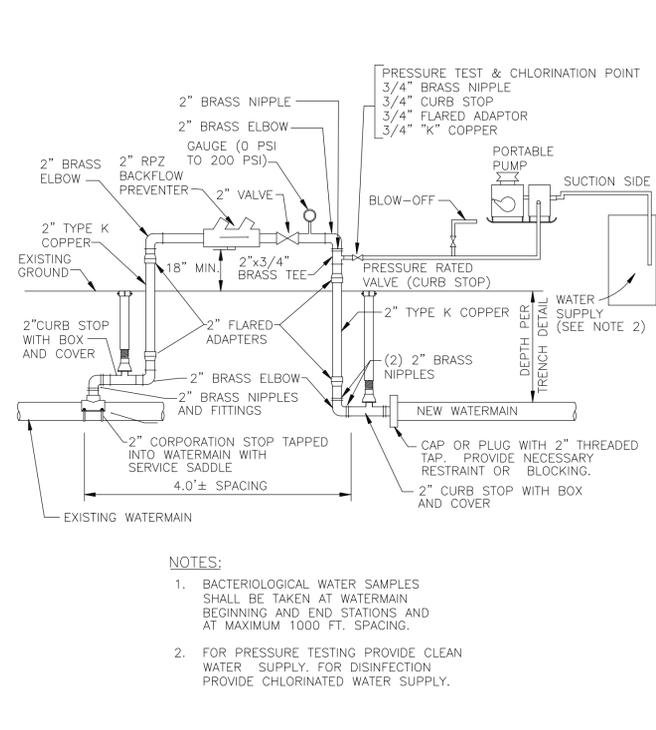
3 TYP. TAPPING SLEEVE AND VALVE
C501 SCALE: NONE (DI, PVC, CI, AC PIPE)



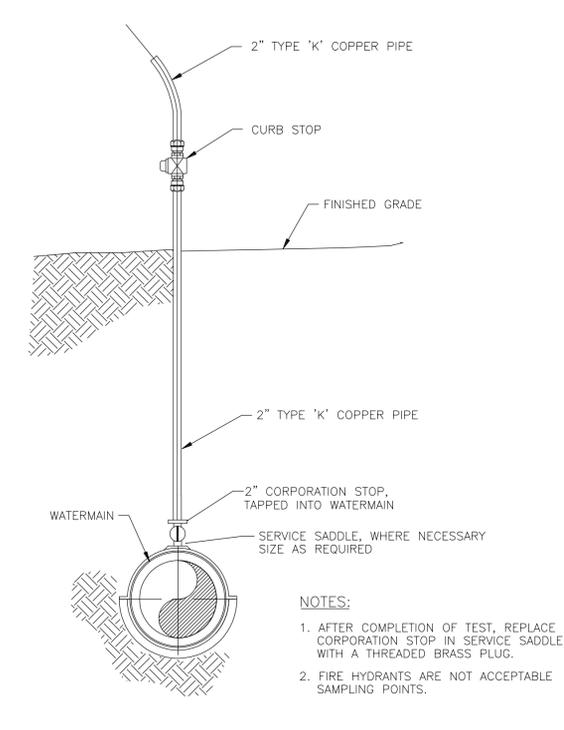
4 TYPICAL CITY ROAD CROSSING DETAIL
C501 SCALE: NONE



5 ASPHALT AREA REPLACEMENT DETAIL
C501 SCALE: NONE (EXCEPT FOR NYSDOT RIGHT-OF-WAY)



6 PRESSURE TESTING AND DISINFECTION APPARATUS
C501 SCALE: NONE (TAP TO EXISTING WATERMAIN)



7 TEMPORARY BLOW-OFF/SAMPLING POINT
C501 SCALE: NONE

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PHONE: (315) 493-1966

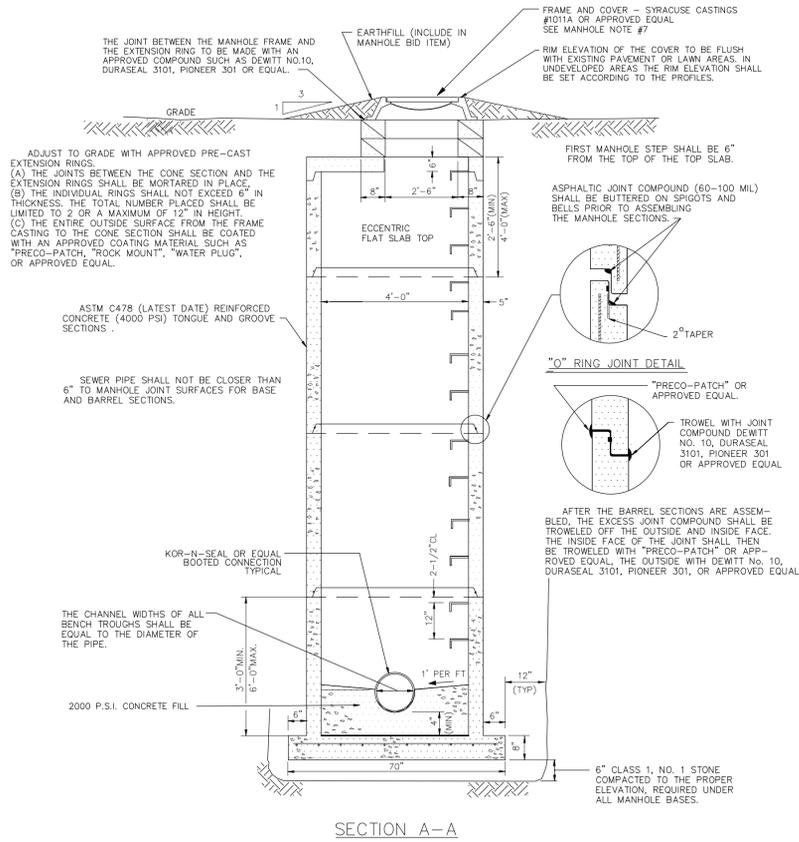
New Expansion Project
Parkside Bible Church
491 Eastern Boulevard, Huntington Street
City of Watertown, Jefferson County, New York

REVISIONS		
DATE	DESCRIPTION	BY
10/18/12	REVISION-2	WJL

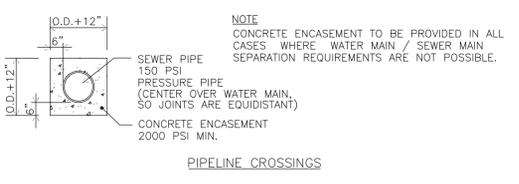
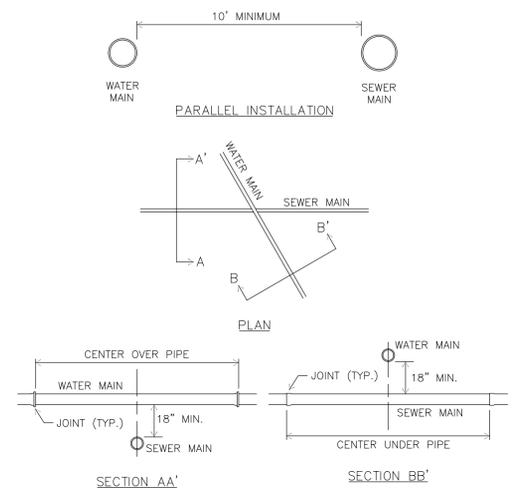
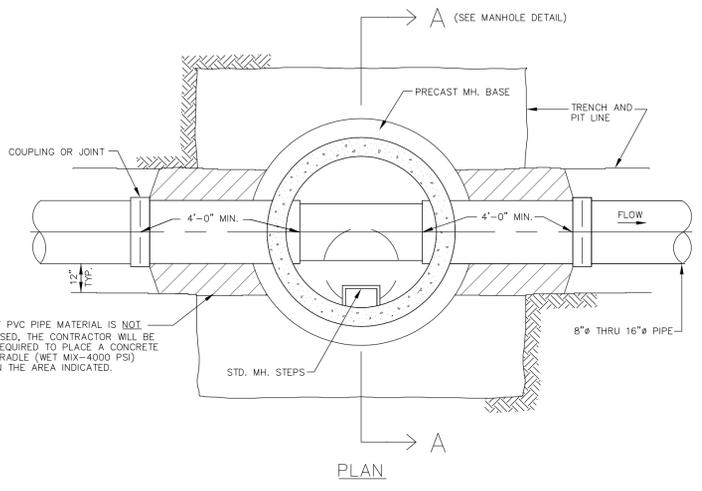
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	AS SHOWN

DRAWING NO.
C501

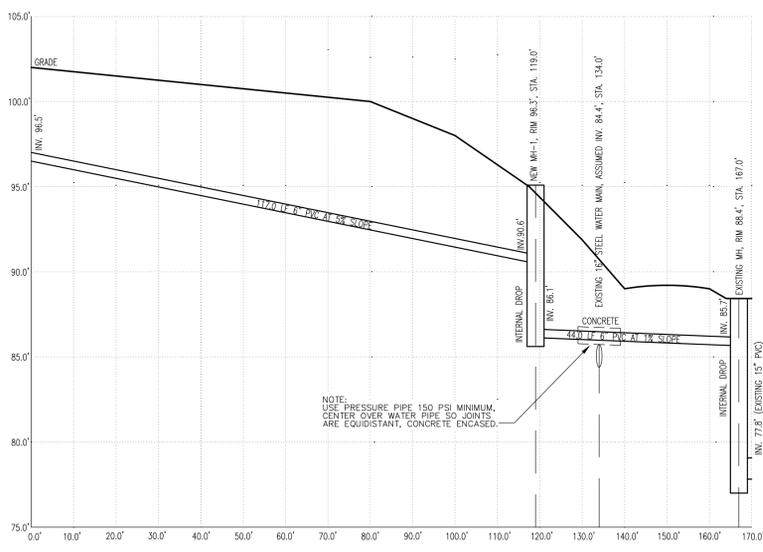
SITE DETAILS



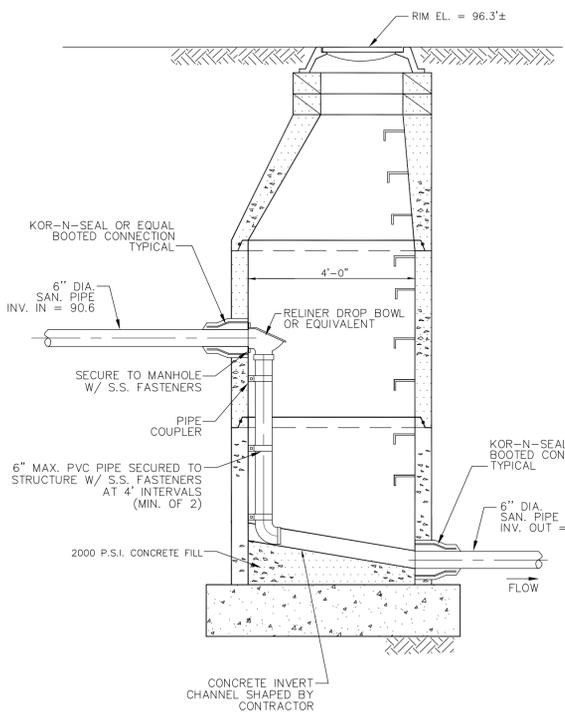
1 MONOLITHIC PRECAST BASE MANHOLES
 (4'-0"Ø FOR SEWERS 16"Ø AND LESS)
 SCALE: NONE



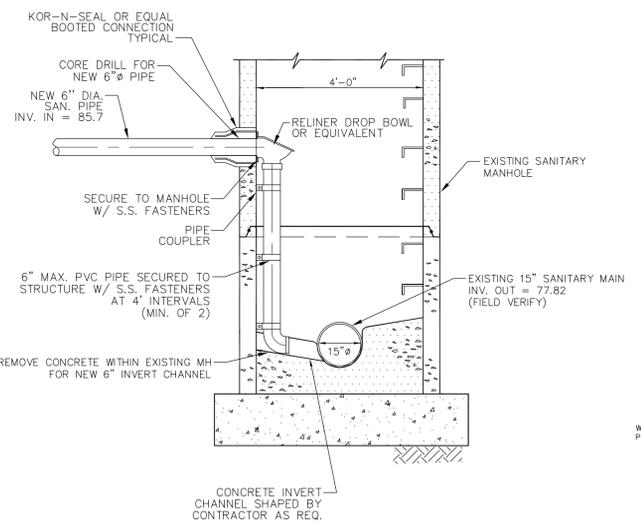
6 WATER AND SANITARY MAIN SEPARATION DETAILS
 SCALE: NONE



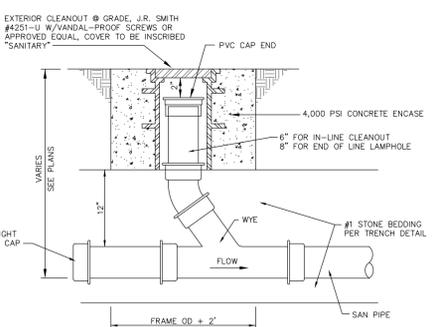
2 SANITARY PROFILE
 SCALE: HORIZ. 1"=20', VERT. 1"=5'



3 SANITARY MANHOLE #1 DETAIL
 (INTERNAL DROP)
 SCALE: NONE



4 CONN. TO EXISTING SANITARY M.H.
 (INTERNAL DROP)
 SCALE: NONE



5 CLEANOUT TO GRADE
 SCALE: NONE

SANITARY SEWER GENERAL NOTES

GENERAL:

- THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL HE HAS SUBMITTED MATERIALS CERTIFICATES TO THE ENGINEER AND THESE HAVE BEEN RETURNED TO HIM STAMPED APPROVED. IN ADDITION, 3 COPIES OF THE MATERIAL SUBMITTALS SHALL BE PROVIDED TO THE CITY FOR REVIEW & APPROVAL PRIOR TO PROCURING MATERIAL.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY INSPECTOR AT LEAST 24 HOURS PRIOR TO STARTING ANY WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS RELATING TO THE WORK.

GRAVITY PIPE:

- PIPE SHALL BE PVC TYPE PSM, MEETING ASTM D-3034, LATEST EDITION
- PIPE STANDARD SHALL BE SDR-35, MINIMUM AND JOINTS SHALL BE RING-TITE, MEETING ASTM D-1869, LATEST EDITION
- BELL ENDS TO BE LAID UPHILL
- NO CELLAR DRAIN, SUMP PUMPS OR ROOF DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER.
- SANITARY LINE SHALL NOT BE COVERED UNTIL INSPECTED BY THE ENGINEER OR THE CITY INSPECTOR.
- WHERE GROUND WATER IS PRESENT, CLAY DAMS SHALL BE CONSTRUCTED AT 100 FT. INTERVALS. THE DAMS SHALL BE A MINIMUM OF 18 INCHES THICK AND EXTEND THE FULL HEIGHT AND WIDTH OF THE TRENCH.

MANHOLES:

- MANHOLES SHALL BE PRECAST REINFORCED CONCRETE STRUCTURES MEETING ASTM C 478
- STEPS SHALL BE IN ALIGNMENT VERTICALLY AND CENTERED OVER A BENCH AREA.
- STEPS SHALL PROJECT A MINIMUM OF 5 INCHES BEYOND THE INTERIOR OF THE MANHOLE WALL.
- ALL INTERIOR SANITARY MANHOLES SHALL BE PARGED AND ALL EXTERIOR JOINTS SEALED WITH AN APPROVED ASPHALT COATING, HEAVY BLACK BITUMASTIC (14 MILS) ENTIRE EXTERIOR INCLUDING JOINTS, BRICK, ADJUSTMENTS AND TOP SLABS.
- THE BOTTOM OF THE MANHOLE SHALL BE SHAPED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS. FORM INVERTS WITH CONCRETE FROM TOP OF PIPE TO SPRINGLINE. FLOW CHANNEL TO BE SMOOTH GROUT.
- THE MANHOLE TO SANITARY CONNECTION WILL BE MADE AS SHOWN IN DETAIL ON THIS SHEET. THE WATER TIGHT CONNECTION WILL BE ACCOMPLISHED THROUGH THE USE OF A STANDARD ELASTIC BOOT CAST INTO STRUCTURE WALLS AS PER A.S.T.M.C.-443.
- MANHOLE FRAME AND COVERS SHALL BE IMPRINTED WITH THE CITY NAME AND THE WORDS "SANITARY SEWER" IN 2 INCH LETTERS. PROVIDE 2 WATER TIGHT PICK HOLES: A48 - 83 CLASS 30B FOR ASH TO LOAD HS20 - S16.
- THE JOINTS BETWEEN THE MANHOLE SECTIONS WILL BE AN O-RING ASTM C443 AND MEETING NYS DOT ITEM 706.02 OR BUTYL RESIN ASHTO SPEC.M1988.

TESTING:

- TESTING SHALL MEET THE CURRENT REQUIREMENTS OF THE CITY OR AS SET FORTH BELOW. ALL TESTING MUST BE WITNESSED BY THE ENGINEER AND CITY OFFICIAL.
- PIGGING (DEFLECTION) TESTING
 ALL SANITARY SEWER LINES SHALL BE PIGGING DEVICES PULLED THROUGH THEM CAPABLE OF TESTING THE ROUNDNESS OF THE INSTALLED LINE. THE PIG SHALL BE A RIGID CIRCULAR OR SPHERICAL DEVICE WITH AN OUTSIDE DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE TO BE TESTED.
- LAMPING (ALIGNMENT) TESTING
 ALL LINES SHALL BE VISUALLY LAMPED FOR ALIGNMENT. A FULL MOON MUST BE VISIBLE.
- AIR PRESSURE (LEAKAGE) PIPE TESTING
 ALL SANITARY SEWER LINES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH ASTM F-1417.
- ALL SANITARY SEWER MANHOLES SHALL BE TESTED FOR LEAKAGE USING ONE OF THE FOLLOWING METHODS:
 A) BY PLUGGING THE OUTLET LINE AND FILLING THE MANHOLE WITH WATER TO A POINT AT LEAST ONE FOOT ABOVE THE UPPERMOST JOINT (EXCLUDING THE GRADE ADJUSTMENT COURSES). AFTER 24 HOURS, THE DROP IN THE WATER LEVEL SHALL BE MEASURED AND THE LOSS CALCULATED. THE ALLOWABLE LOSS SHALL BE EQUAL TO 100 GALLONS/INCH/MILE/DAY. B) VACUUM TESTED IN ACCORDANCE WITH APPLICABLE ASTM STANDARDS.

NOTE:
 ALL CONSTRUCTION, INSPECTION AND MONITORING SHALL COMPLY WITH ALL OSHA, STATE AND LOCAL ORDINANCES, LAWS AND PROCEDURES. THIS SHALL INCLUDE ALL CONSTRUCTION METHODS, MATERIALS AND SAFETY PROCEDURES. ADDITIONAL TRENCH SAFETY, INSPECTION AND MONITORING SHALL BE DESIGNED AND FURNISHED BY THE CONTRACTOR AS REQUIRED BY OSHA, STATE AND LOCAL ORDINANCES, LAWS AND PROCEDURES.

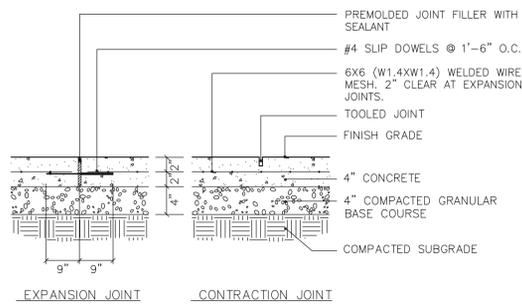
Wilbur D. Thesier, P.E. PC
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 PHONE: (315) 493-1966

New Expansion Project
Parkside Bible Church
 491 Eastern Boulevard, Huntington Street
 City of Watertown, Jefferson County, New York

REVISIONS		
DATE	DESCRIPTION	BY
09/17/12	REVISED NEW SANITARY	WJL
10/18/12	REVISION-2	WJL
10/24/12	REVISION-3	WJL

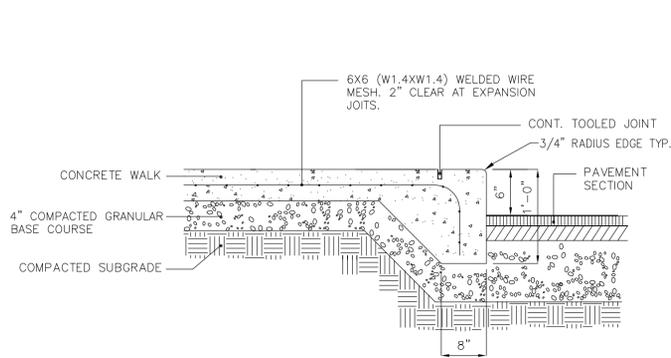
DATE	08/20/12
DRAWN	W.J.L.
CHECKED	S.O.
SCALE	AS SHOWN

DRAWING NO. C503
 SITE DETAILS

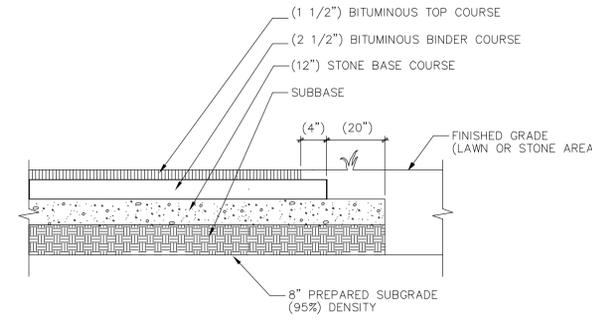


NOTE-
1. CONTROL JOINTS TO BE SPACED 5' O.C. MAX., EXPANSION JOINTS TO BE SPACED 30' O.C. MAX.

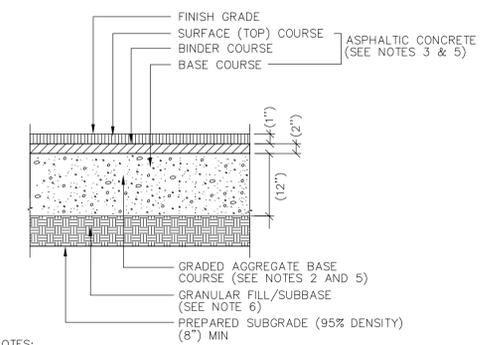
1 CONCRETE WALK DETAIL
C504 SCALE: NONE



2 CONCRETE WALK/INTEGRAL CURB DETAIL
C504 SCALE: NONE

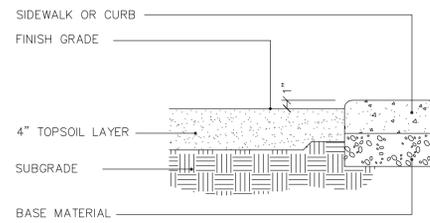


3 PAVEMENT TO LAWN TRANSITION
C504 SCALE: NONE

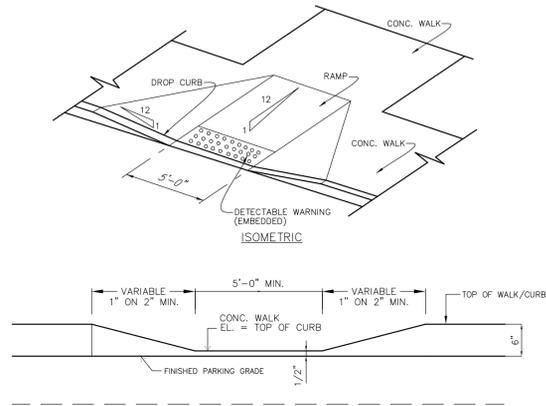


NOTES:
1. CONSTRUCT ASPHALT SURFACE OR BITUMINOUS SURFACE TREATMENT ONLY WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 50 DEGREES F. AND RISING, AND WHEN BASE IS DRY. BINDER COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 45 DEGREES F. AND RISING.
2. GRANULAR BASE COURSE SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 304 OPTION C - TYPE 2 FOR CRUSHED STONE, NYSDOT ITEM NO. 304.12M, AS SPECIFIED BELOW:
STANDARD SIEVE SIZE PERCENT PASSING BY WEIGHT:
(2") 100%
(1/4") 25-50%
425um 5-40%
75um 0-5%
3. ASPHALTIC CONCRETE SHALL CONFORM TO NYSDOT STANDARD SPECIFICATIONS, SECTION 403; SURFACE COURSE TYPE 7F, NYSDOT ITEM NO. 403.198202M; BINDER COURSE TYPE 3, NYSDOT ITEM NO. 403.138902M.
4. APPLY TACK COAT OF ASPHALTIC CEMENT TO ALL VERTICAL JOINTS BETWEEN OLD AND NEW WORK. USE NYSDOT ITEMS NO. 407.01M MEDIUM SETTING.
5. TEST FINISHED SURFACE OF EACH COURSE FOR SMOOTHNESS, USING (10') STRAIGHTEDGE APPLIED PARALLEL WITH, AND AT RIGHT ANGLES TO CENTERLINE OF PAVED AREAS. SURFACES WILL NOT BE ACCEPTABLE IF EXCEEDING THE FOLLOWING TOLERANCES FOR SMOOTHNESS:
BASE COURSE SURFACE: (1/2")
BINDER COURSE SURFACE: (1/4")
SURFACE COURSE SURFACE: (1/4")
6. GRANULAR FILL/SUBBASE SHALL BE (12") MIN.

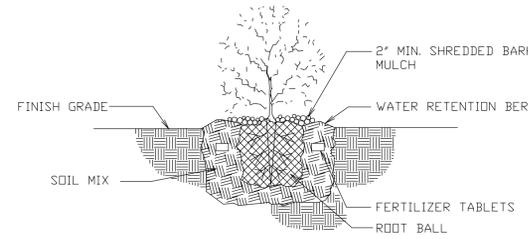
4 ASPHALT PAVEMENT DETAIL
C504 SCALE: NONE



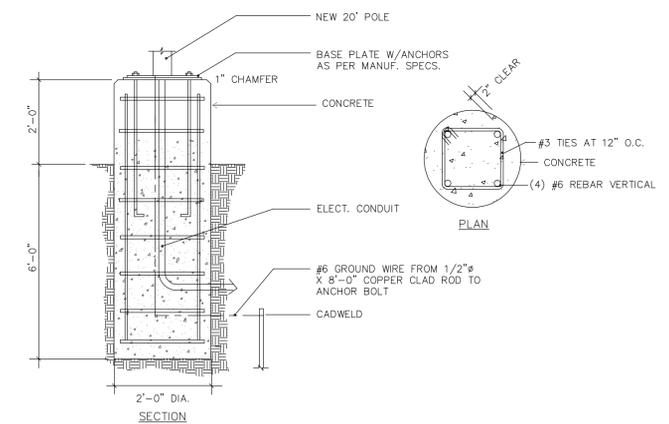
5 GRASSED AREAS DETAIL
C504 SCALE: NONE



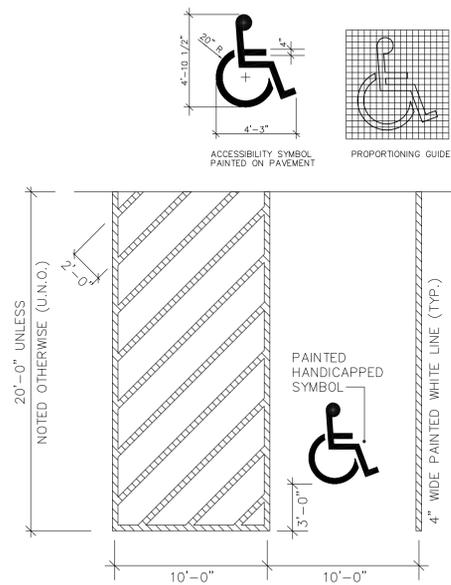
6 ACCESSIBLE RAMP DETAIL
C504 SCALE: NONE



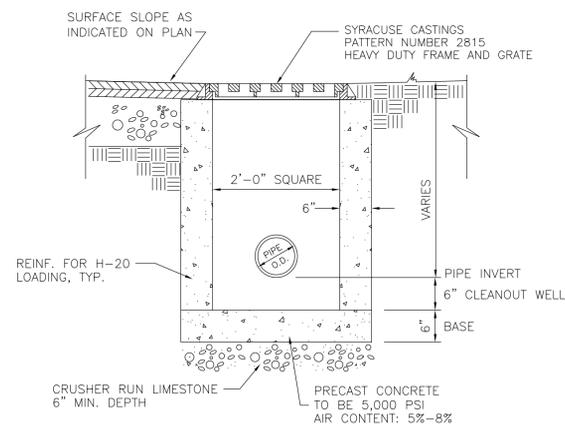
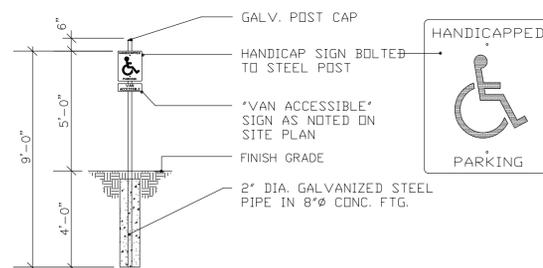
7 SHRUB PLANTING DETAIL
C504 SCALE: NONE



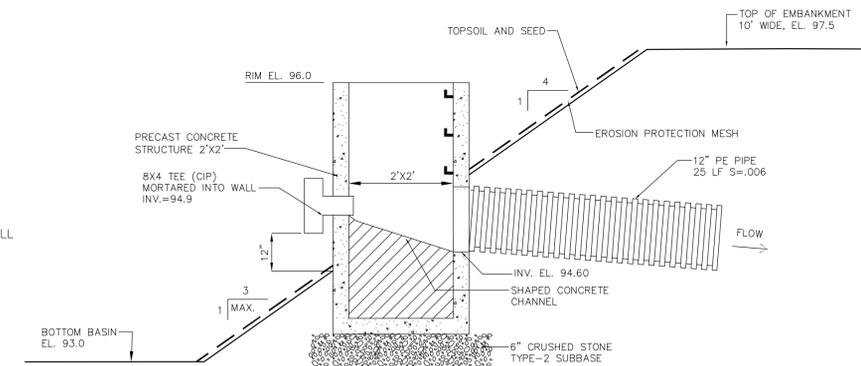
8 LIGHT POLE BASE DETAIL
C504 SCALE: NONE



9 ACCESSIBLE PARKING DETAILS
C504 SCALE: NONE



10 DROP INLET/CATCH BASIN DETAIL
C504 SCALE: NONE



11 OUTLET CONTROL STRUCTURE
C504 SCALE: NONE

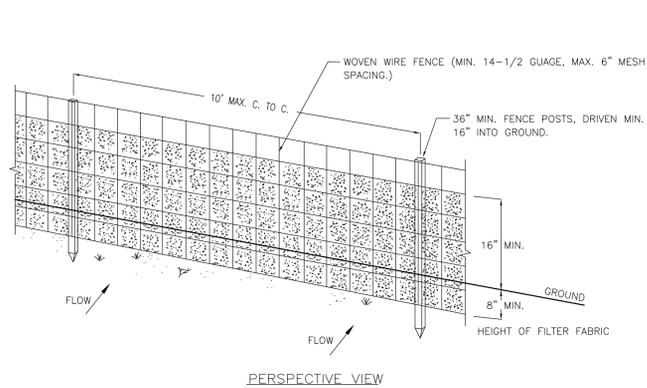
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REVISIONS		
DATE	DESCRIPTION	BY
10/24/12	REVISION-3	WJL

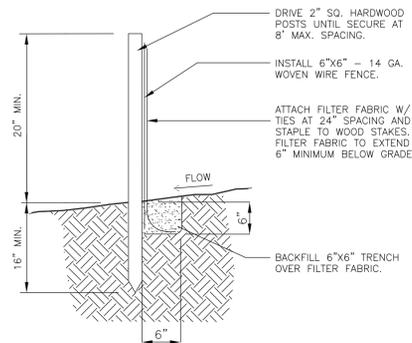
DATE	08/20/12
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CHECKED	S.O.
SCALE	AS SHOWN

DRAWING NO.
C504
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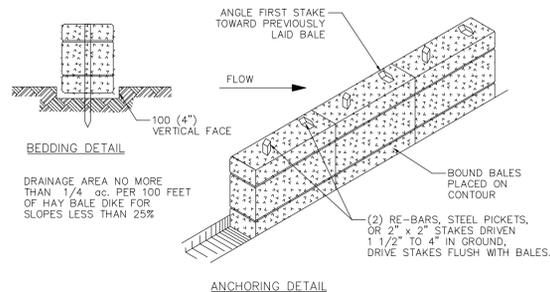


PERSPECTIVE VIEW

1 TYPICAL SILT FENCE DETAILS
 C505 SCALE: NONE

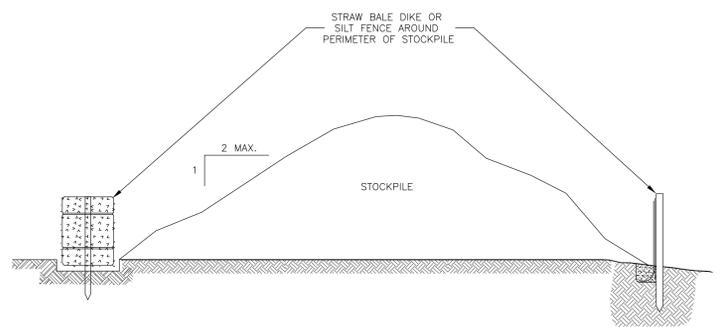


- NOTES
1. PRE-MANUFACTURED SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 152 (6") AND FOLDED.
 3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 4. SILT FENCE TO REMAIN IN PLACE UNTIL LAWNS HAVE BEEN ESTABLISHED AND/OR FINISH SURFACE HAVE BEEN INSTALLED.

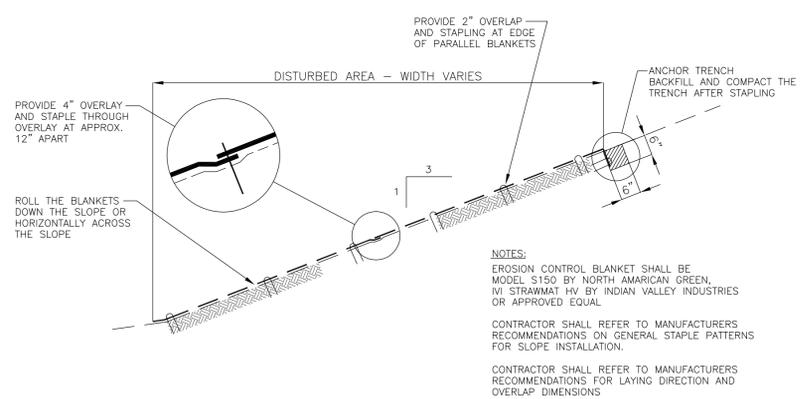


- CONSTRUCTION SPECIFICATIONS
1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4" AND PLACED SO THE BINDINGS ARE HORIZONTAL.
 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
 4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW DRAINAGE.

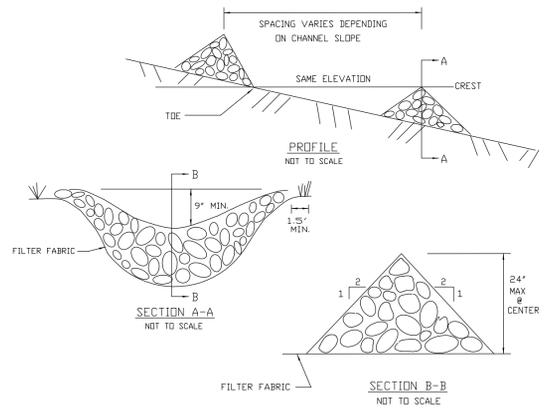
2 TYPICAL STRAW BALE DIKE DETAIL
 C505 SCALE: NONE



3 TYPICAL SOIL STOCKPILING DETAIL
 C505 SCALE: NONE

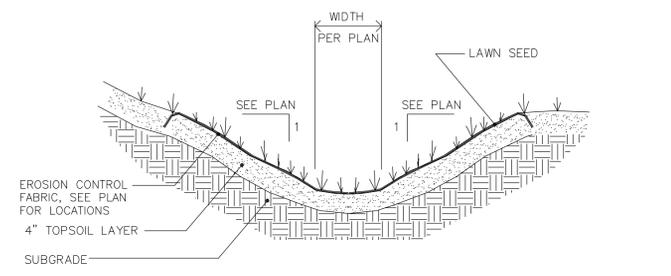


4 TYPICAL SIDESLOPE DETAIL - EROSION CONTROL BLANKET
 C505 SCALE: NONE

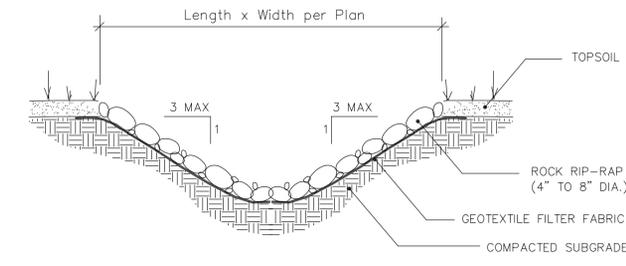


5 TYPICAL ROCK CHECK DAM DETAIL
 C505 SCALE: NONE

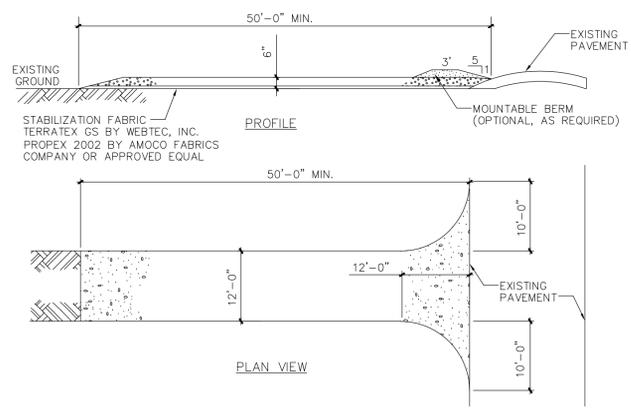
- CONSTRUCTION SPECIFICATIONS
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.



6 TYP. VEGETATED DRAINAGE CHANNEL
 C505 SCALE: NONE



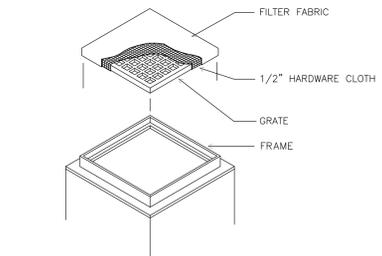
7 TYP. RIP-RAP DRAINAGE CHANNEL
 C505 SCALE: NONE



8 STABILIZED CONSTRUCTION ENTRANCE
 C505 SCALE: NONE

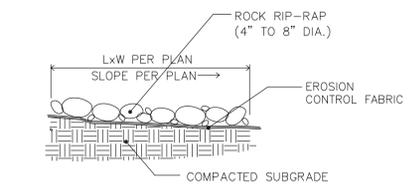
- CONSTRUCTION SPECIFICATIONS
1. STONE SIZE - USE 2" CRUSHED QUARRY STONE
 2. THICKNESS - NOT LESS THAN 6" MINIMUM
 3. WIDTH - 12'-0" MINIMUM
 4. STABILIZATION FABRIC - PLACE OVER ENTIRE AREA PRIOR TO PLACEMENT OF STONE.
 5. SURFACE WATER - SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE TO BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 6. MAINTENANCE - MAINTAIN ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO EXISTING PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 7. WASH VEHICLE TIRES WHEN NEEDED ON THE STABILIZED CONSTRUCTION ROAD, PRIOR TO EXITING THE AREA OF CONSTRUCTION
 8. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN. TOP DRESS WITH NEW GRAVEL AS NEEDED
 9. UPON COMPLETION OF WORK ALL STONE AND FABRIC ARE TO BE REMOVED.

9 DRAINAGE STRUCTURE INLET PROTECTION
 C505 SCALE: NONE



- NOTES
1. HARDWARE CLOTH AND FILTER FABRIC TO REMAIN IN PLACE UNTIL WORK COMPLETED
 2. INLET PROTECTION TO BE INSPECTED AND SEDIMENT REMOVED AS NEEDED.

10 RIP-RAP SLOPE DETAIL
 C505 SCALE: NONE



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REVISIONS		
DATE	DESCRIPTION	BY
09/17/12	RIP-RAP SWALE DETAIL	WJL
10/18/12	REVISION-2	WJL
10/24/12	REVISION-3	WJL

DATE	08/20/12
DRAWN	W.J.L.
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SCALE	AS SHOWN

DRAWING NO.
C505
 SITE DETAILS