GENERAL NOTES

1. SITE AND TOPOGRAPHIC DATA PROVIDED BY SGC ENGINEERING, LLC OF WESTBROOK, MAINE AS A RESULT OF A SURVEY CONDUCTED FOR THE CITY OF AUBURN IN MAY/ JUNE 2011. SURVEY CONTROL REFERENCED HORIZONTALLY WITH THE MAINE STATE PLAN COORDINATE SYSTEM, NAD '83, WEST ZONE AND VERTICALLY WITH NAVD '88. ADDITIONAL SURVEY INFORMATION COMPILED USING EXISTING CITY OF AUBURN PLANS.
2. SUBSURFACE AND GEOTECHNICAL DATA PROVIDED BY SUMMIT GEOENGINEERING SERVICES. BORING AND LEDGE PROBE INFORMATION COLLECTED 5/18/2011 THROUGH 5/20/2011 AND REFERENCED IN REPORT TITLED, "GEOTECHNICAL REPORT ROADWAY RECONSTRUCTION SOUTH MAIN STREET AUBURN, ME" DATED: 6/7/2011.
3. ENVIRONMENTAL SOIL ANALYSIS CONDUCTED BY WOODARD & CURRAN INC. IN JANUARY 2012 FOR SPECIFIC LOCATIONS ALONG PROJECT CORRIDOR. REFER TO SUMMARY OF LIMITED SUBSURFACE INVESTIGATION FOR SOIL SAMPLE RESULTS. NO EXCAVATION/ SOIL MANAGEMENT REQUIREMENTS ARE INCLUDED IN THIS CONTRACT.
4. THE UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITY. NOT ALL EXISTING UTILITIES ARE SHOWN ON PLANS.
5. TRENCH WORK, PIPE BEDDING, INSTALLATION OF FIXTURES AND ALL OTHER UTILITY INSTALLATIONS SHALL CONFORM TO THE CITY OF AUBURN DESIGN GUIDELINES AND DETAILS OR THOSE PROVIDED BY UTILITY COMPANIES, AS APPLICABLE.
6. CONTRACTOR SHALL CLEAN AND/OR FLUSH ALL CULVERTS, MANHOLES, CATCH BASINS, AND ASSOCIATED PIPING AFTER THE WORK HAS BEEN COMPLETED AND SHALL BE INCIDENTAL TO THE CONTRACT.
7. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITY WITH MAINE DOT, UTILITY COMPANIES, EMERGENCY SERVICES, AND THE CITY. NOTIFY UTILITY COMPANIES WITHIN 48 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES.
8. CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO COMMENCING WORK, ALLOWING SUFFICIENT TIME TO LOCATE AND MARK THE LOCATION OF BURIED UTILITIES. CONTRACTOR SHALL CONTACT "DIG SAFE", TELEPHONE 888-344-7233 PRIOR TO EXCAVATION.
9. CONTRACTOR SHALL RESTORE ALL AREA DISTURBED BY CONSTRUCTION ACTITIVIES TO ORIGINAL FINISH (GRAVEL, PAVEMENT, GRASS, ETC.) UNLESS OTHERWISE NOTED ON PLANS. RESTORATION OF LAWNS DAMAGED BY CONTRACTOR OPERATIONS SHALL BE INCIDENTAL TO THE PROJECT.
10. PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S EXPENSE, BY A REGISTERED LAND SURVEYOR APPROVED BY THE RESIDENT ENGINEER.
11. EXISTING FACILITIES (I.E. GUARDRAILS, TREES, MAILBOXES, POLES, LIGHT POSTS, CATCH BASINS, ETC.) THAT ARE NOT SCHEDULED TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE INCIDENTAL TO THE CONTRACT. THE CITY RETAINS RIGHT TO KEEP ANY AND ALL REMOVED FACILITIES. CONTRACTOR TO DISPOSE OF ANY REMOVED FACILITY AT THE REQUEST OF THE CITY OR RESIDENT ENGINEER AT CONTRACTOR'S EXPENSE.
12. DO NOT PARK OR STORE EQUIPMENT ON ADJACENT CITY OR PRIVATELY OWNED LOTS, UNLESS PERMISSION HAS BEEN GRANTED IN WRITING BY CITY OR LAND OWNER.
13. COORDINATE DISRUPTION OF PRIVATE UTILITY SERVICES WITH LANDOWNERS AT LEAST TWO DAYS (48 HOURS) PRIOR TO DISRUPTION. ALL UTILITY COORDINATION IS THE RESPONSIBILITY OF CONTRACTOR.
14. RESTRICT ACCESS TO CONSTRUCTION AREA THROUGH THE USE OF APPROPRIATE SIGNAGE, GATES, BARRIERS, FENCES, ETC. SITE SHALL BE LEFT WITH APPROPRIATE SAFETY MEASURES IN PLACE DURING NON-WORKING HOURS. NO TRENCH SHALL BE LEFT OPEN DURING NON-WORKING HOURS. SITE SAFETY IS THE SOLE RESPONSIBILITY OF CONTRACTOR, DURING BOTH WORKING AND NON-WORKING HOURS.
15. CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN FLOW THROUGH ALL CITY STREETS AT ALL TIMES DURING CONSTRUCTION.
16. PROVIDE 4 INCHES OF LOAM AND SEED IN ALL LAWN AREAS DISTURBED BY CONTRACTOR'S OPERATIONS.
17. CONTRACTOR SHALL PREPARE A COMPLETE SET OF "RECORD" DRAWINGS THAT REFLECT THE CONSTRUCTED CONDITIONS, INCLUDING PLANIMETRICS, TOPOGRAPHY AND UTILITY INFORMATION.
18. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS. PERMIT APPLICATIONS SHALL BE SUBMITTED WITH ADEQUATE TIME SO AS NOT TO DELAY CONSTRUCTION.
19. FOR TEST PIT LOCATIONS SHOWN ON PLANS, FIELD VERIFY EXISTING UTILITY SIZES AND ELEVATIONS PRIOR TO ORDERING STRUCTURES. NOTIFY RESIDENT ENGINEER OF ANY CONFLICTS. CONTRACTOR SHALL PROVIDE TEST PITS INDICATED. SEE SUPPLEMENTAL SPECIFICATION SECTION 803.
20. SOUTH MAIN STREET RECONSTRUCTION PROJECT WILL BE CONSTRUCTED IN THREE SEPARATE PHASES:

    PHASE I SHALL INCLUDE ALL WORK DEPICTED ON THE DRAWINGS FROM STATION 38+00 TO STATION 78+50 (COOK STREET TO VICKERY ROAD). ALL WORK SHOWN IN PHASE I HAS PREVIOUSLY BEEN COMPLETED AND SHALL NOT BE INCLUDED AS PART OF THIS CONTRACT.

    PHASE II SHALL INCLUDE ALL WORK DEPICTED ON THE DRAWINGS FROM STATION 21+11 TO STATION 38+00 (LORING AVENUE TO COOK STREET).

    PHASE III SHALL INCLUDE ALL WORK DEPICTED ON THE DRAWINGS FROM STATION 0+00 TO STATION 21+11 (BROAD STREET TO LORING AVENUE). ALL WORK SHOWN IN PHASE III SHALL NOT BE INCLUDED AS PART OF THIS CONTRACT.
21. CONTRACTOR SHALL ADJUST ALL EXISTING VALVE BOXES AND CURB STOPS TO GRADE. ADJUSTMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE INCIDENTAL TO CONTRACT COST. NOT ALL EXISTING UTILITIES ARE SHOWN ON PLANS.
22. INSULATE ALL WATER PIPES WITH LESS THAN 6 FEET OF COVER HORIZONTALLY OVER PIPE. INSULATION SHALL BE CLOSED-CELL RIGID FOAMED POLYSTYRENE, 2" THICK, UNLESS NOTED OTHERWISE AND SHALL BE INCIDENTAL TO THE CONTRACT. A
23. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SUPPORT AND/ OR RELOCATION OF UTILITY POLES, AS NECESSARY WITH UTILITIES. TEMPORARY BRACING OF UTILITY POLES, WHERE REQUIRED SHALL BE INCIDENTAL TO THE PROJECT.
24. ALL WORK SHALL BE DONE IN ACCORDANCE WITH MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICED FOR EROSION AND SEDIMENTATION CONTROL, FEBRUARY 2008.

SYMBOLS

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER MANHOLE		SMH
SANITARY SEWER SERVICE CLEANOUT	CO	CO
STORM DRAIN MANHOLE		DMH
CATCH BASIN		
AREA DRAIN		
TELECOMM MANHOLE		
TELECOMM SERVICE BOX	T	
ELECTRIC MANHOLE		
TRANSFORMER		
UTILITY POLE W/GUY		
UTILITY POLE		
LIGHTPOST		
GAS METER BOX	G	
GAS VENT		
GAS GATE		
WATER GATE		
WATER SHUT-OFF		
CURB STOP		
HYDRANT		
WATER WELL	W	
WATER METER BOX	W	
MAILBOX		
SIGN		
CONIFEROUS TREE		
DECIDUOUS TREE		
SEEPAGE CONTROL DIKE		
BORING	X	
ENVIRONMENTAL PROBE	SMS-1	
TEST PIT		TP
ADA ACCESSIBLE CURB RAMP W/ DETECTABLE WARNING SURFACE		
INLET/ OUTLET RIPRAP PROTECTION		

HATCHES

- ROADWAY RECONSTRUCTION
- SIDEWALK RECONSTRUCTION
- DRIVEWAY RECONSTRUCTION
- CHANNEL LINING
- CONCRETE WALK
- CONTAMINATED SOIL AREA (SPECIAL PROVISION 203)
- RIPRAP

LINE TYPES

DESCRIPTION	EXISTING
CONTOUR (1' INTERVAL)	122
CONTOUR (INDEX)	120
SANITARY SEWER	S
FORCE MAIN	FM
STORM DRAIN	SD
UNDERDRAIN	UD
WATER MAIN	W
UNDERGROUND ELECTRIC	E
UNDERGROUND TELEPHONE	T
UNDERGROUND TELEVISION	TV
GAS LINE	G
CULVERT	
PROPERTY LINE	
RIGHT OF WAY	
EASEMENT	
EDGE OF VEGETATION	
FENCE	
RETAINING WALL	
STONEWALL	
CURB	
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
GUARDRAIL	

DESCRIPTION	PROPOSED
CONTOUR (1' INTERVAL)	122
CONTOUR (INDEX)	120
SANITARY SEWER	S
FORCE MAIN	FM
STORM DRAIN	SD
UNDERDRAIN	UD
WATER MAIN	W
UNDERGROUND ELECTRIC	E
UNDERGROUND DUCT BANK	E/CABLE/COMM
UNDERGROUND TELEPHONE	T
UNDERGROUND TELEVISION	TV
GAS LINE	G
CULVERT	C
TEMPORARY EASEMENT	
EDGE OF VEGETATION	
FENCE	
CENTERLINE	
RETAINING WALL	
STONEWALL	
GRANITE CURB	
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
CEDAR RAIL FENCE	
SAWCUT	
PAVEMENT MARKING	
PIPE TO BE DEMOLISHED	

ABBREVIATIONS

&	AND
ADJ	ADJUST
A.G.	ABOVE GROUND
B	BORING
BIT.	BITUMINOUS
BM	BENCHMARK
CB	CATCH BASIN
CMP	CENTRAL MAINE POWER COMPANY
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
COND.	CONDUIT
CTRL	CONTROL
CULV.	CULVERT
DI	DUCTILE IRON
DIA.	DIAMETER
DMH	DRAIN MANHOLE
E	EAST
EL.	ELEVATION
ELEV.	ELEVATION
ELEC.	ELECTRICAL
EMBED.	EMBEDDMENT
EXIST.	EXISTING
FF	FINISH FLOOR
FIN.	FINISH
FL.	FLOOR
FT	FOOT/FEET
GALV.	GALVANIZED
GRAN.	GRANITE
HDPE	HIGH DENSITY POLYETHYLENE
HOR.	HORIZONTAL
HWY	HIGHWAY
HYD	HYDRANT
IN	INCH
INV.	INVERT
L.F.	LINEAR FEET
MAX.	MAXIMUM
MDOT	MAINE DEPARTMENT OF TRANSPORTATION
MIN.	MINIMUM
MON	MONUMENT
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NR	NO REFUSAL
N.T.S.	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
OH	OVERHEAD
±	PLUS OR MINUS
PLS	PROFESSIONAL LAND SURVEYOR
PSI	PER SQUARE INCH
PSIG	PER SQUARE INCH GAUGE PRESSURE
PVC	POLYVINYL CHLORIDE
R.O.W.	RIGHT-OF-WAY
RCP	REINFORCED CONCRETE PIPE
REINF.	REINFORCED
REQ'D	REQUIRED
RET	RETAINING
RLS	REGISTERED LAND SURVEYOR
RTE	ROUTE
S	SLOPE
SMH	SEWER MANHOLE
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
STA.	STATION
SWL	SOLID WHITE LINE
SYL	SOLID YELLOW LINE
TBM	TEMPORARY BENCH MARK
TYP.	TYPICAL
TEMP.	TEMPORARY
T.O.W.	TOP OF WALL
UC	UNDERGROUND CABLE
UD	UNDERDRAIN
UNO	UNLESS OTHERWISE NOTED
W	WEST
W/	WITH
WV	WATER VALVE

DRAWING INDEX

--	G000	COVER - PHASE II
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2	G002	OVERALL PROJECT & SHEET INDEX
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4	G004	TEST PIT LOCATIONS - 2
5	G005	TEST PIT LOCATIONS - 3
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7	C101	ROAD & SIDEWALK LAYOUT & PAVEMENT MARKINGS - 2 (N.I.C.)
8	C102	ROAD & SIDEWALK LAYOUT & PAVEMENT MARKINGS - 3 (N.I.C.)
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17	C201	PLAN & PROFILE STA. 5+50 - 10+00 (N.I.C.)
18	C202	PLAN & PROFILE STA. 10+00 - 15+50 (N.I.C.)
19	C203	PLAN & PROFILE STA. 15+50 - 21+00 (N.I.C.)
20	C204	PLAN & PROFILE STA. 21+00 - 26+50
21	C205	PLAN & PROFILE STA. 26+50 - 32+00
22	C206	PLAN & PROFILE STA. 32+00 - 37+50
23	C207	PLAN & PROFILE STA. 37+50 - 43+00
24	C208	PLAN & PROFILE STA. 43+00 - 48+50 (N.I.C.)
25	C209	PLAN & PROFILE STA. 48+50 - 54+00 (N.I.C.)
26	C210	PLAN & PROFILE STA. 54+00 - 59+50 (N.I.C.)
27	C211	PLAN & PROFILE STA. 59+50 - 65+00 (N.I.C.)
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31	C300	CROSS SECTIONS - 1 (N.I.C.)
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33	C302	CROSS SECTIONS - 3 (N.I.C.)
34	C303	CROSS SECTIONS - 4 (N.I.C.)
35	C304	CROSS SECTIONS - 5
36	C305	CROSS SECTIONS - 6
37	C306	CROSS SECTIONS - 7
38	C307	CROSS SECTIONS - 8 (N.I.C.)
39	C308	CROSS SECTIONS - 9 (N.I.C.)
40	C309	CROSS SECTIONS - 10 (N.I.C.)
41	C310	CROSS SECTIONS - 11 (N.I.C.)
42	C311	CROSS SECTIONS - 12 (N.I.C.)
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STATE OF MAINE – MEGAN D.L. MCDEVITT 13019 – LICENSED PROFESSIONAL ENGINEER – NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/MDLM | CHECKED BY: DLC
DRAWN BY: BCM | 203970.25-G001.DWG

GENERAL NOTES, LEGEND & SHEET INDEX

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

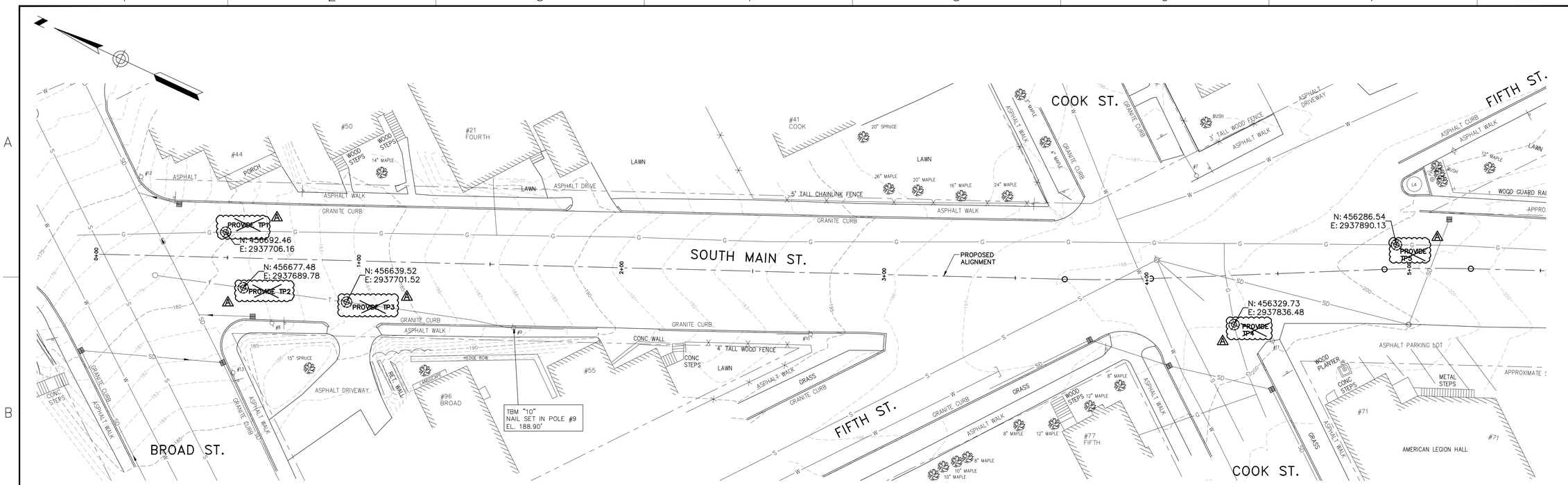
SOUTH MAIN STREET RECONSTRUCTION PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 1 OF 51

G001

22x34 SHEET 1:1
\\PORTLAND\Projects\203970 City of Auburn-General Consulting Services\wip\25 South Main St Recon\Drawings\design drawings\203970.25-G001.dwg, Dec 05, 2014 - 2:24pm

22x34 SHEET
1:1

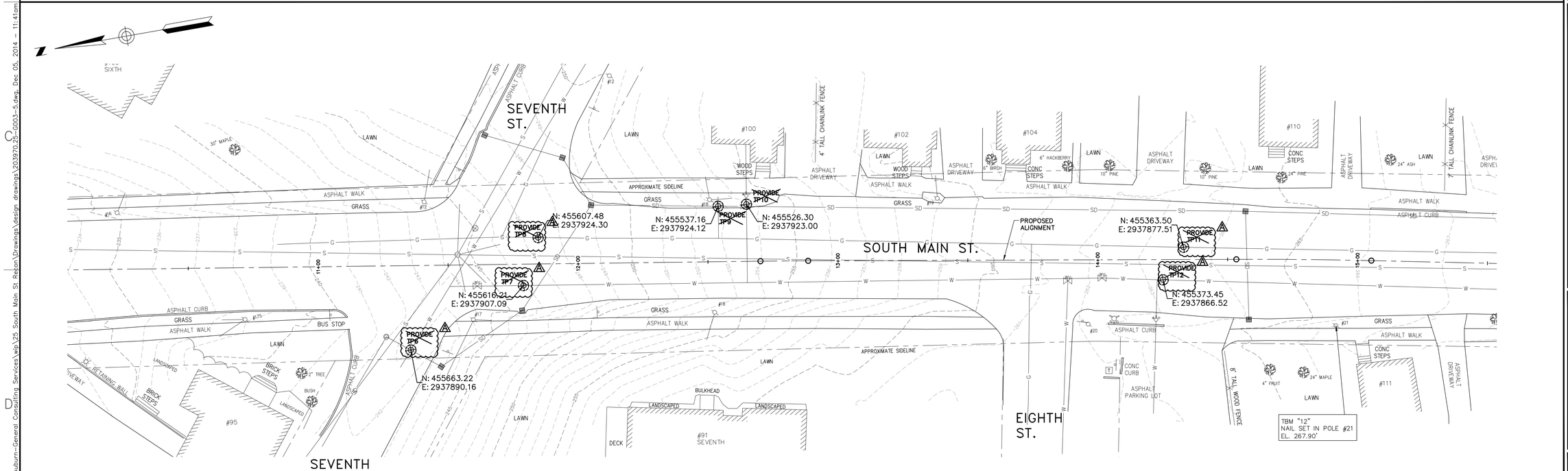


PLAN STA. 0+00 TO STA. 5+50

SCALE: 1" = 20'

EXISTING CONDITION PLANS PROVIDED TO LOCATE TEST PITS WITHIN LIMITS OF PHASE III WORK. PHASE III PROPOSED CONTOURS AND IMPROVEMENTS NOT SHOWN FOR CLARITY.

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING



PLAN STA. 10+00 TO STA. 15+50

SCALE: 1" = 20'

EXISTING CONDITION PLANS PROVIDED TO LOCATE TEST PITS WITHIN LIMITS OF PHASE III WORK. PHASE III PROPOSED CONTOURS AND IMPROVEMENTS NOT SHOWN FOR CLARITY.

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
MEGAN D.L. MCDEVITT
13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

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CHECKED BY: DLC
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TEST PIT LOCATIONS – 1

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET RECONSTRUCTION PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: 1"=20'
SHEET: 3 OF 51

G003

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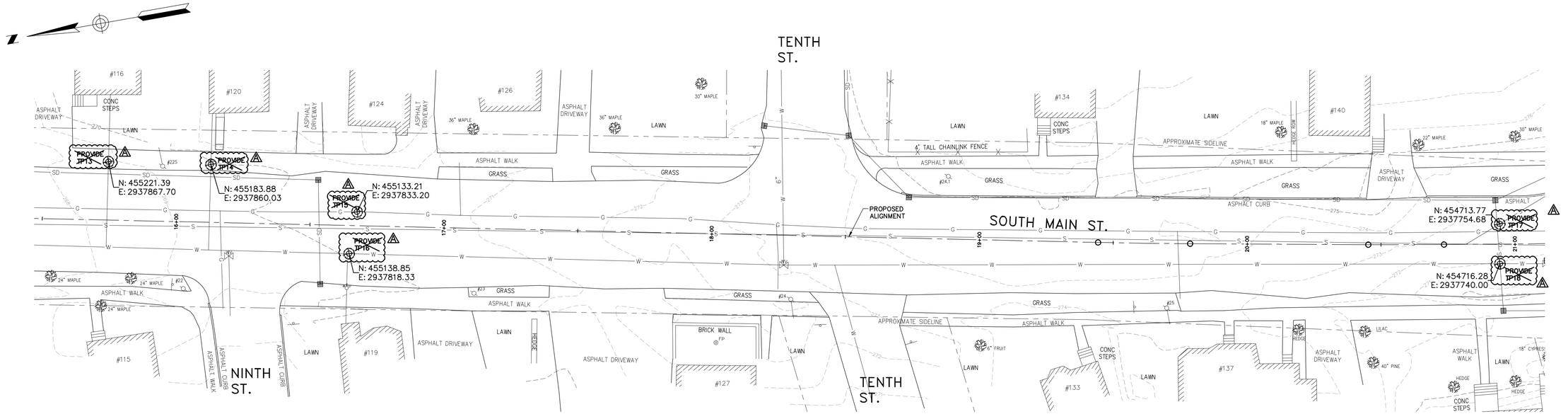
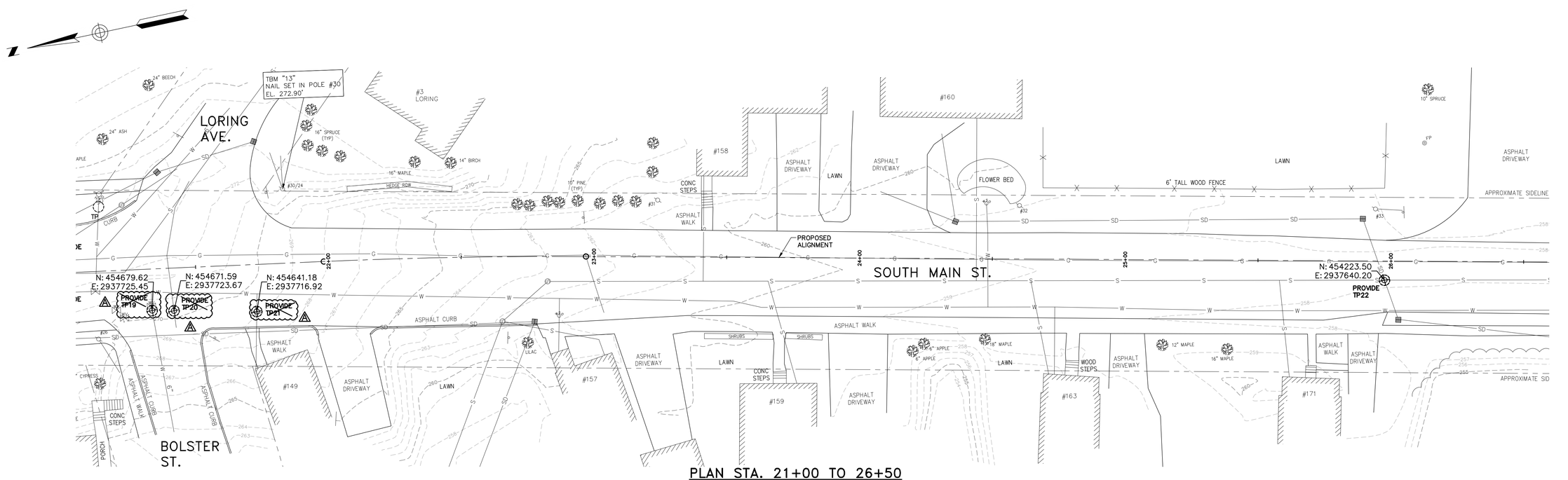


PLAN STA. 15+50 TO STA. 21+00

SCALE: 1" = 20'

EXISTING CONDITION PLANS PROVIDED TO LOCATE TEST PITS WITHIN LIMITS OF PHASE III WORK. PHASE III PROPOSED CONTOURS AND IMPROVEMENTS NOT SHOWN FOR CLARITY.

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING



PLAN STA. 21+00 TO 26+50

SCALE: 1" = 20'

20' 0 20' 40'
BAR SCALE
1" = 20'
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13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
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TEST PIT LOCATIONS – 2

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET RECONSTRUCTION PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: 1"=20'
SHEET: 4 OF 51

G004

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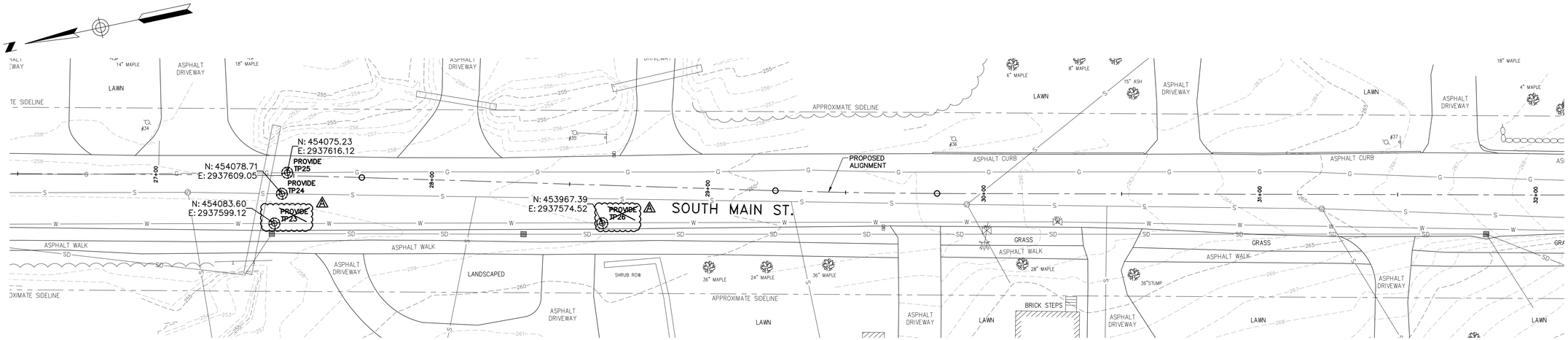
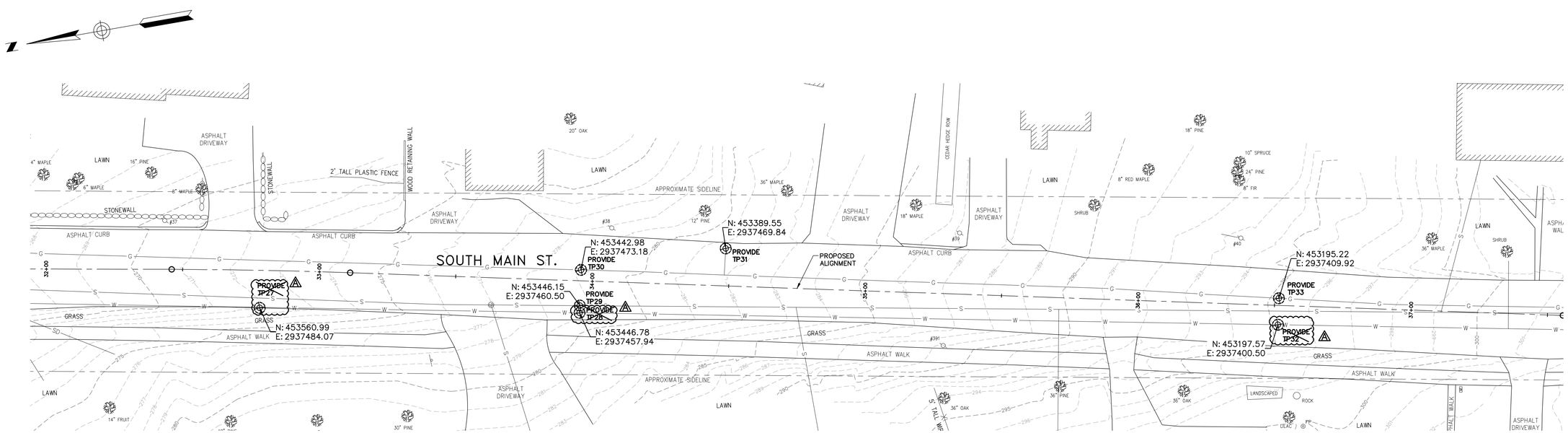


PLAN STA. 26+50 TO STA. 32+00

SCALE: 1" = 20'

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING



PLAN STA. 32+00 TO STA. 37+50

SCALE: 1" = 20'

20' 0 20' 40'
BAR SCALE
1" = 20'
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STATE OF MAINE
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13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
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TEST PIT LOCATIONS – 3

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET
RECONSTRUCTION
PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 5 OF 51

G005

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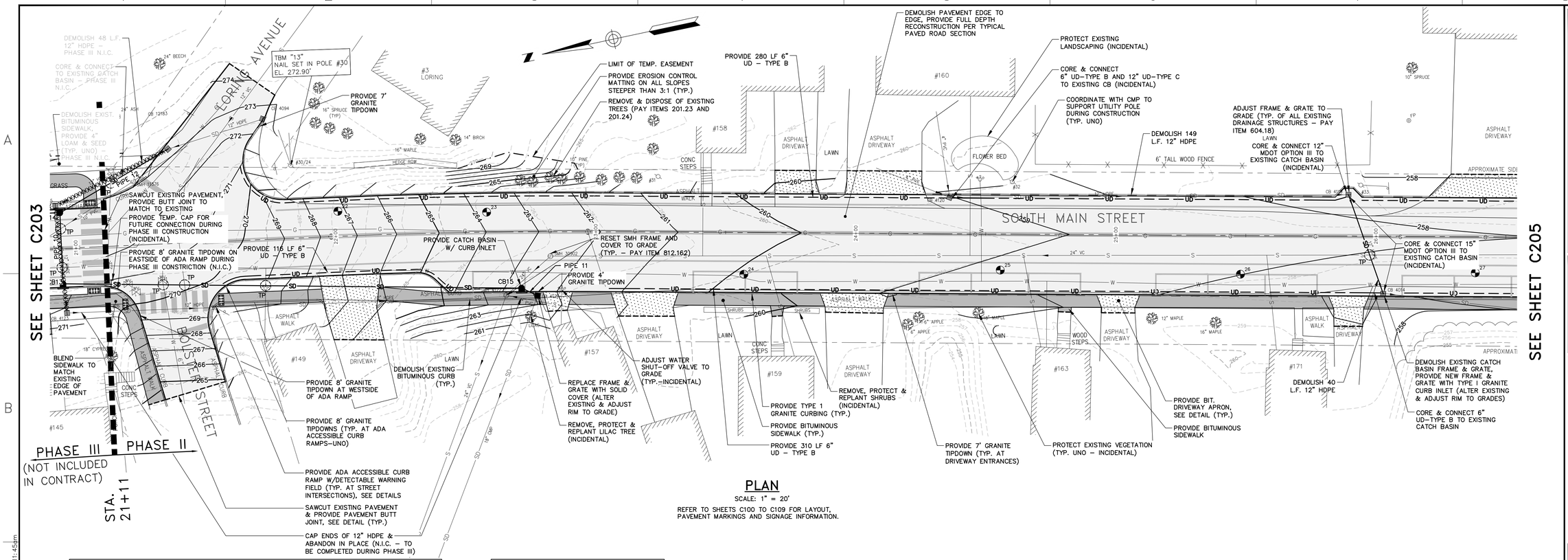


PLAN

SCALE: 1" = 20'

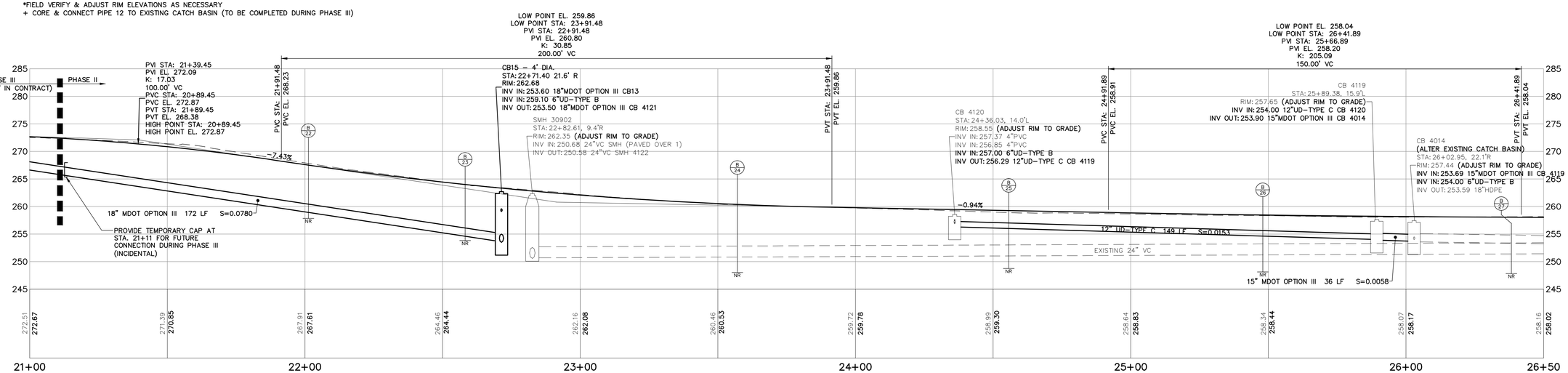
REFER TO SHEETS C100 TO C109 FOR LAYOUT, PAVEMENT MARKINGS AND SIGNAGE INFORMATION.

STRUCTURE TABLE					
NAME	DIA.	RIM*	INV IN/SIZE/FROM	INV OUT/SIZE/TO	STA./OFFSET
CB 12183+	4'	272.64	268.89 12"HDPE CB 4094	268.80 15"MDOT OPTION III CB14	21+37/36.3' L
CB 4121	4'	261.13	252.88 18"MDOT OPTION III CB15 255.38 12"HDPE CB 4123	246.5 18" CMP (EXISTING)	22+78/24.7' R
SMH 4122	4'	261.88	256.88 6"PVC (EXISTING) 245.30 24"VC SMH 30902 (EXISTING)	256.88 24"VC (EXISTING)	22+65/24.3' R

*FIELD VERIFY & ADJUST RIM ELEVATIONS AS NECESSARY
+ CORE & CONNECT PIPE 12 TO EXISTING CATCH BASIN (TO BE COMPLETED DURING PHASE III)

PIPE TABLE			
PIPE NAME	SIZE	LENGTH	SLOPE
PIPE 11	18" MDOT OPTION III	3'	0.2231
PIPE 12**	15" MDOT OPTION III	44'	0.0235

**PHASE III – NOT IN CONTRACT



NOTE: TYPE B UNDERDRAIN NOT SHOWN IN PROFILE FOR CLARITY, SEE PLAN AND STRUCTURE TABLE FOR LENGTH, SLOPE AND INVERTS.

PROFILE STA. 21+00 TO STA. 26+50

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING

41 Hutchins Drive
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STATE OF MAINE
MEGAN D.L. MCDEVITT
13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/MDLM
DRAWN BY: BCM
CHECKED BY: DLC
203970.25–C200–204.DWG

PLAN & PROFILE STA. 21+00 – 26+50

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

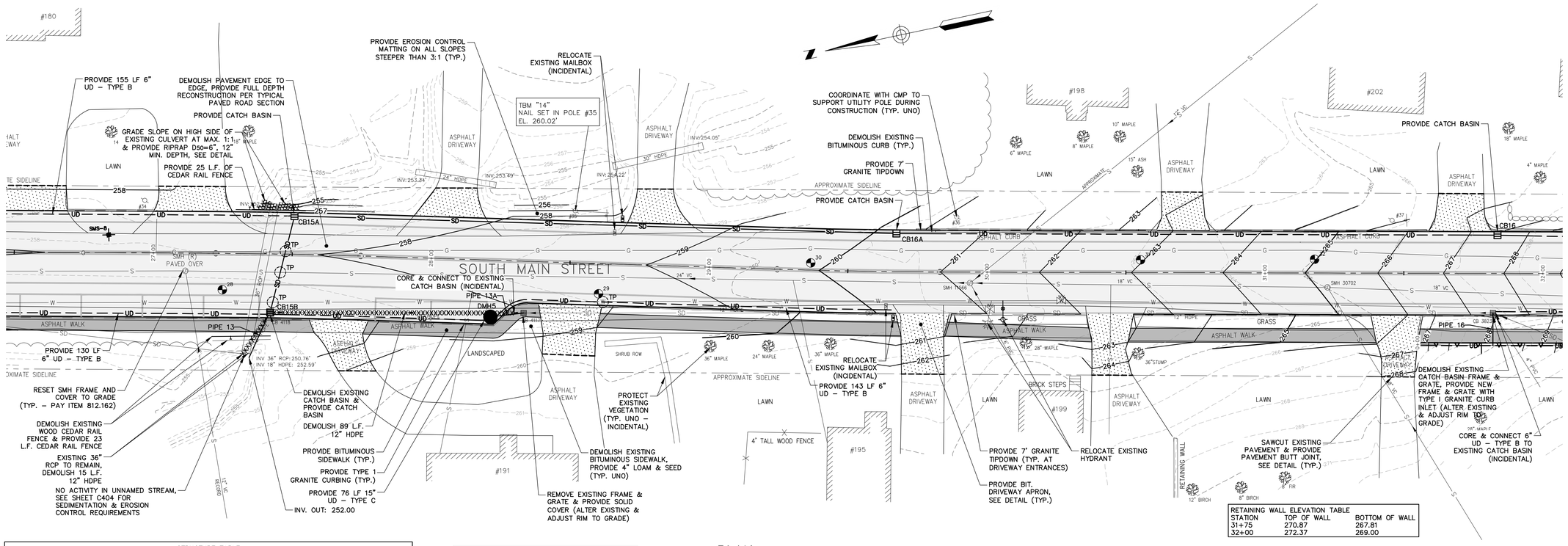
SOUTH MAIN STREET RECONSTRUCTION PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 20 OF 51

C204

O:\203970 City of Auburn–General Consulting Services\wip\25 South Main St Recon\Drawings\design drawings\203970.25–C200–204.dwg, Dec 05, 2014 – 11:45am

22x34 SHEET
1:1



RETAINING WALL ELEVATION TABLE		
STATION	TOP OF WALL	BOTTOM OF WALL
31+75	270.87	267.81
32+00	272.37	269.00

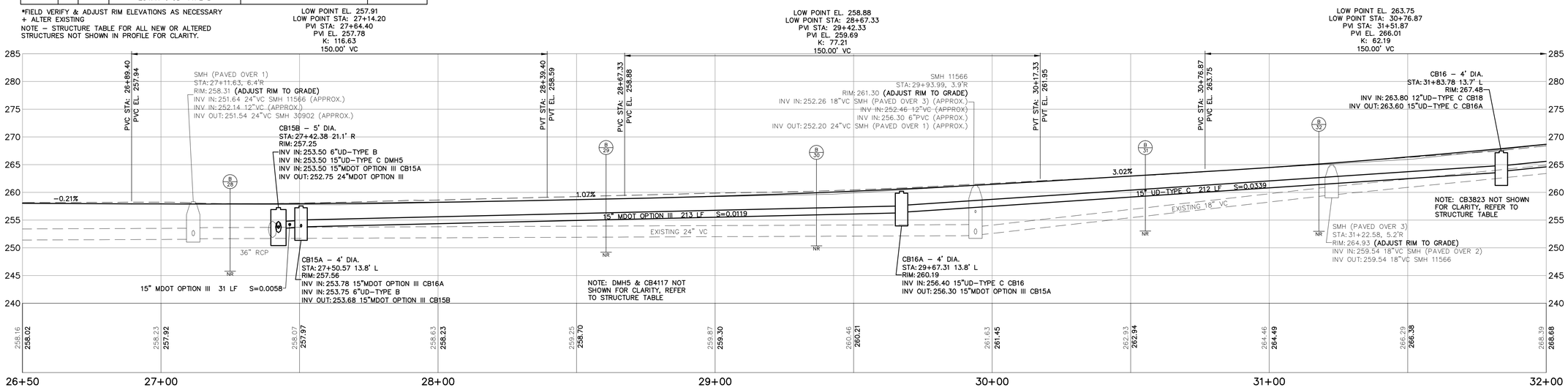
STRUCTURE TABLE					
NAME	DIA.	RIM*	INV IN/SIZE/FROM	INV OUT/SIZE/TO	STA./OFFSET
CB 3823+	4'	267.35	263.46 4"PVC 263.63 4"PVC 266.00 6"UD–TYPE B 263.90 6"UD–TYPE B	263.70 12"HDPE CB 4117	31+82/14.2' R
CB 4117+	4'	258.50	255.07 12"HDPE CB 3823	254.43 15"MDOT OPTION III DMH5	28+34/18.6' R
DMH5	4'	257.80	254.31 15"MDOT OPTION III CB 4117 254.41 6"UD–TYPE B	254.21 15"UD–TYPE C CB15B	28+22/20.4' R

*FIELD VERIFY & ADJUST RIM ELEVATIONS AS NECESSARY
+ ALTER EXISTING
NOTE – STRUCTURE TABLE FOR ALL NEW OR ALTERED STRUCTURES NOT SHOWN IN PROFILE FOR CLARITY.

PIPE TABLE			
PIPE NAME	SIZE	LENGTH	SLOPE
PIPE 13	24" MDOT OPTION III	15'	0.0487
PIPE 13A	15" MDOT OPTION III	8'	0.0150
PIPE 16	6" UD–TYPE B	10'	0.0120

PLAN

SCALE: 1" = 20'
REFER TO SHEETS C100 TO C109 FOR LAYOUT, PAVEMENT MARKINGS AND SIGNAGE INFORMATION



NOTE: TYPE B UNDERDRAIN NOT SHOWN IN PROFILE FOR CLARITY, SEE PLAN AND STRUCTURE TABLE FOR LENGTH, SLOPE AND INVERTS.

PROFILE STA. 26+50 TO STA. 32+00

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
MEGAN D.L. MCDEVITT
13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/ADLM
DRAWN BY: BCM
CHECKED BY: DLC
203970.25–C205–209.DWG

PLAN & PROFILE STA. 26+50 – 32+00

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET RECONSTRUCTION PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 21 OF 51

C205

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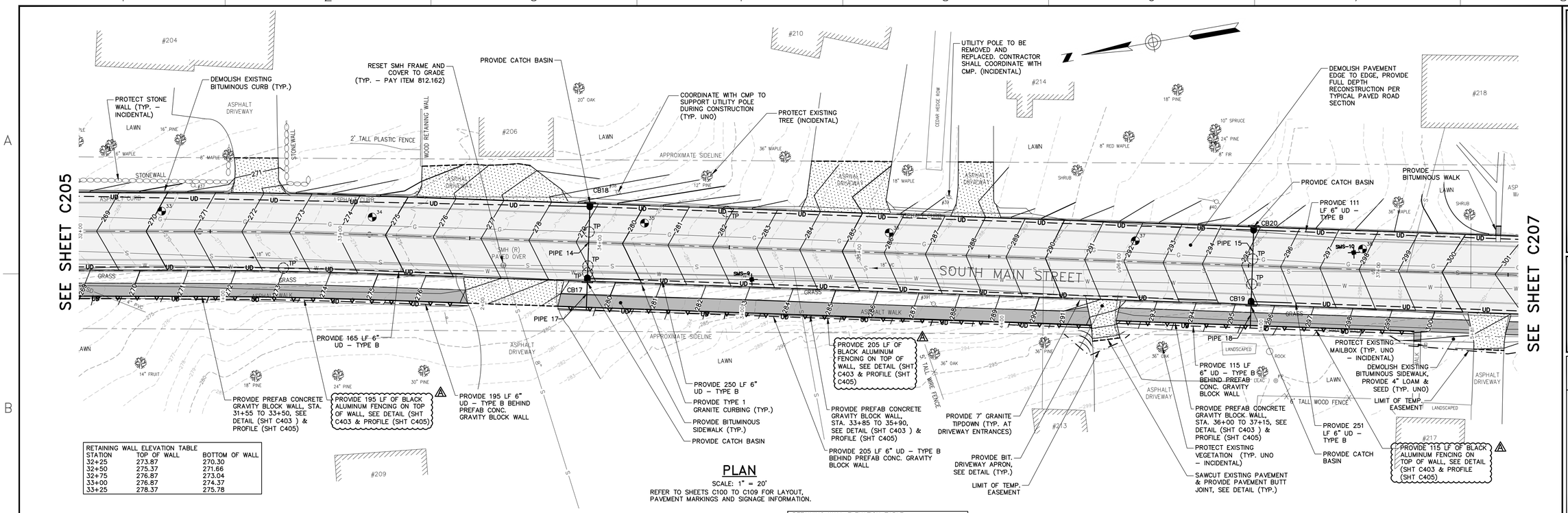
22x34 SHEET
1:1



PLAN

SCALE: 1" = 20'

REFER TO SHEETS C100 TO C109 FOR LAYOUT, PAVEMENT MARKINGS AND SIGNAGE INFORMATION.

RETAINING WALL ELEVATION TABLE		
STATION	TOP OF WALL	BOTTOM OF WALL
32+25	273.87	270.30
32+50	275.37	271.66
32+75	276.87	273.04
33+00	276.87	274.37
33+25	278.37	275.78

RETAINING WALL ELEVATION TABLE		
STATION	TOP OF WALL	BOTTOM OF WALL
34+00	281.92	279.83
34+25	283.42	281.30
34+50	284.92	282.70
34+75	286.42	284.25
35+00	287.92	285.72
35+25	289.42	287.35
35+50	290.92	288.89
35+75	293.92	290.60

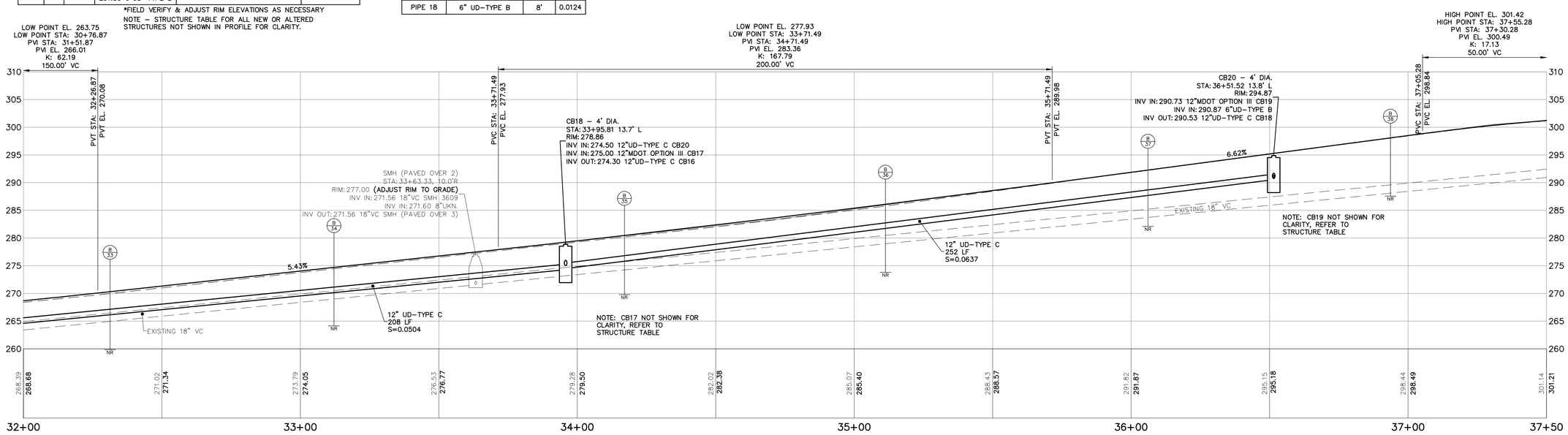
RETAINING WALL ELEVATION TABLE		
STATION	TOP OF WALL	BOTTOM OF WALL
36+00	293.80	291.57
36+25	296.80	293.87
36+50	298.30	295.46
36+75	299.80	297.18
37+00	301.30	298.77

STRUCTURE TABLE					
NAME	DIA.	RIM*	INV IN/SIZE/FROM	INV OUT/SIZE/TO	STA./OFFSET
CB17	4'	278.86	275.00 6"UD–TYPE B 278.00 6"UD–TYPE B	275.30 12"MDOT OPTION III CB18	33+96/13.6' R
CB19	4'	294.87	291.30 6"UD–TYPE B 291.30 6"UD–TYPE B	291.00 12"MDOT OPTION III CB20	36+52/13.6' R

*FIELD VERIFY & ADJUST RIM ELEVATIONS AS NECESSARY

NOTE – STRUCTURE TABLE FOR ALL NEW OR ALTERED STRUCTURES NOT SHOWN IN PROFILE FOR CLARITY.

PIPE TABLE			
PIPE NAME	SIZE	LENGTH	SLOPE
PIPE 14	12" MDOT OPTION III	23'	0.0128
PIPE 15	12" MDOT OPTION III	23'	0.0117
PIPE 17	6" UD–TYPE B	10'	0.0119
PIPE 18	6" UD–TYPE B	8'	0.0124



NOTE: TYPE B UNDERDRAIN NOT SHOWN IN PROFILE FOR CLARITY, SEE PLAN AND STRUCTURE TABLE FOR LENGTH, SLOPE AND INVERTS.

PROFILE STA. 32+00 TO STA. 37+50

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
MEGAN D.L. MCDEVITT
13019
PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/ADLM
DRAWN BY: BCM
CHECKED BY: DLC
203970.25-C205-209.DWG

PLAN & PROFILE STA. 32+00 – 37+50

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET RECONSTRUCTION
PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 22 OF 51

C206

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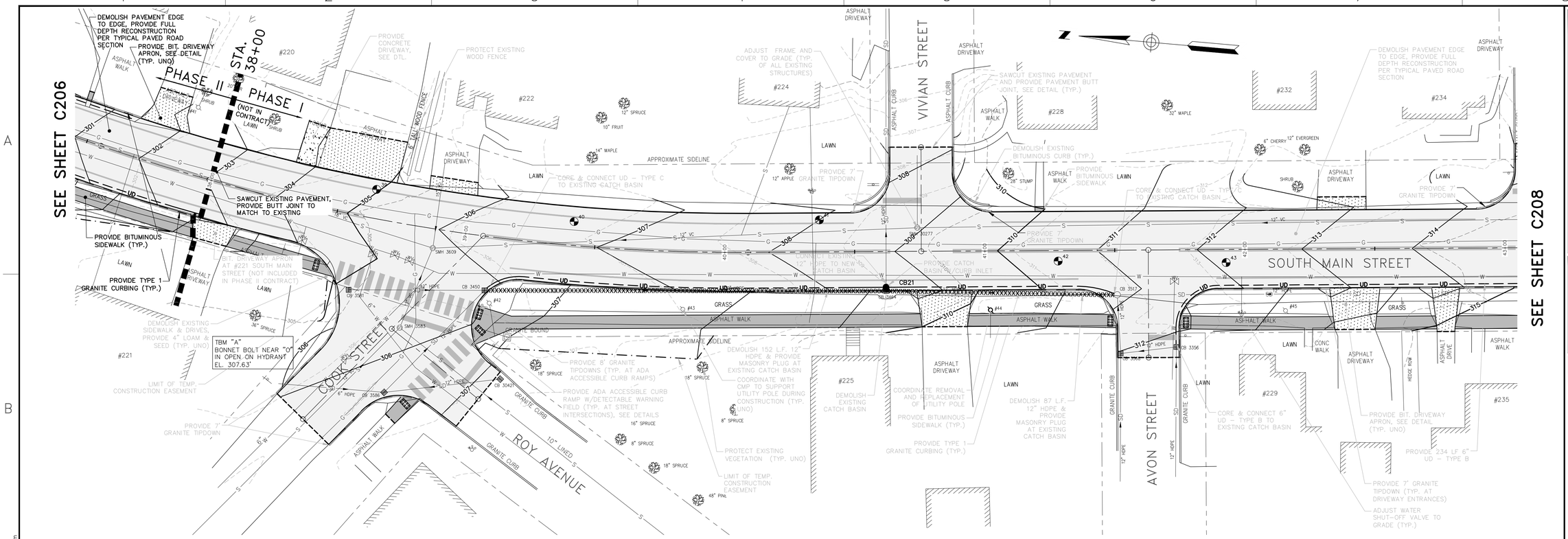
22x34 SHEET
1:1

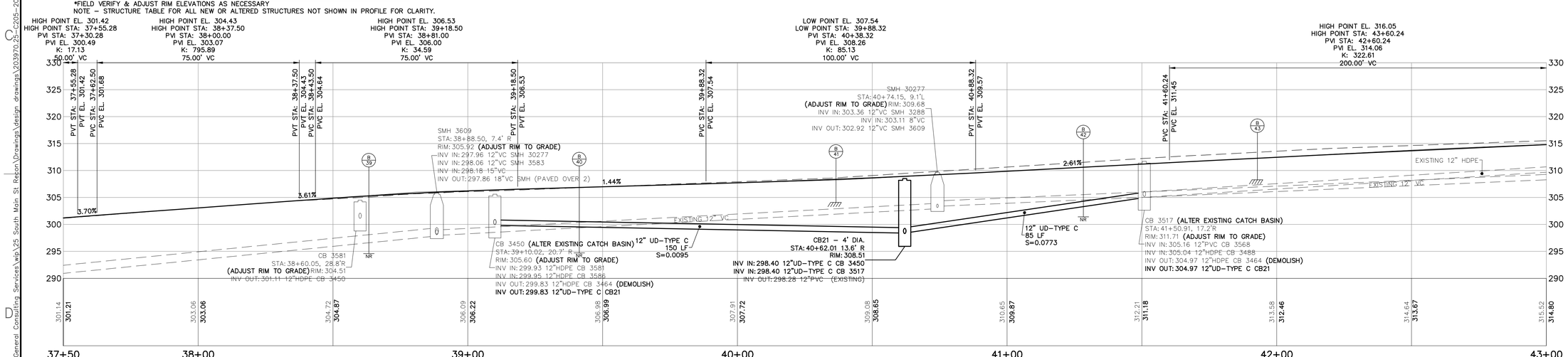


PLAN

SCALE: 1" = 20'
REFER TO SHEETS C100 TO C109 FOR LAYOUT, PAVEMENT MARKINGS AND SIGNAGE INFORMATION.

STRUCTURE TABLE					
NAME	DIA.	RIM*	INV IN/SIZE/FROM	INV OUT/SIZE/TO	STA./OFFSET
CB 3356	4'	312.54	308.79 12"HDPE 309.00 6"HDPE UD-TYPE B	307.85 12"PVC CB 3568	41+73/37.3' R

*FIELD VERIFY & ADJUST RIM ELEVATIONS AS NECESSARY
NOTE – STRUCTURE TABLE FOR ALL NEW OR ALTERED STRUCTURES NOT SHOWN IN PROFILE FOR CLARITY.



NOTE: TYPE B UNDERDRAIN NOT SHOWN IN PROFILE FOR CLARITY, SEE PLAN AND STRUCTURE TABLE FOR LENGTH, SLOPE AND INVERTS.

PROFILE STA. 37+50 TO STA. 43+00

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

20' 0 20' 40'
BAR SCALE
1" = 20'
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
MEGAN D.L. MCDEVITT
13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/MDLM
DRAWN BY: BCM
CHECKED BY: DLC
203970.25-C205-209.DWG

PLAN & PROFILE
STA. 37+50 – 43+00

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET RECONSTRUCTION
PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 23 OF 51

C207

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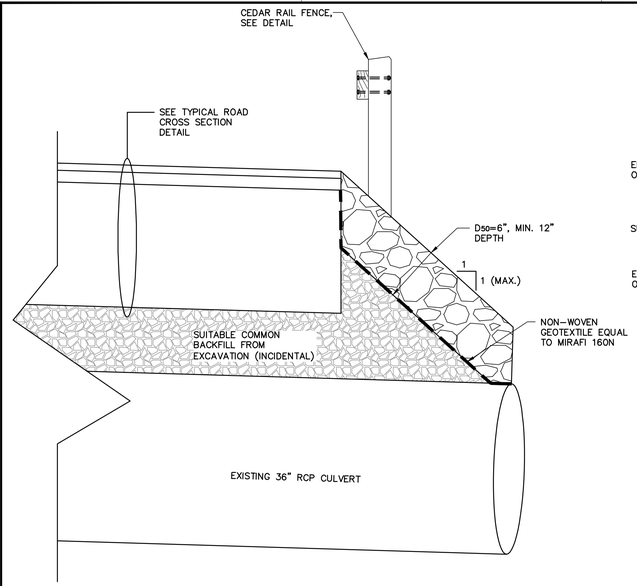
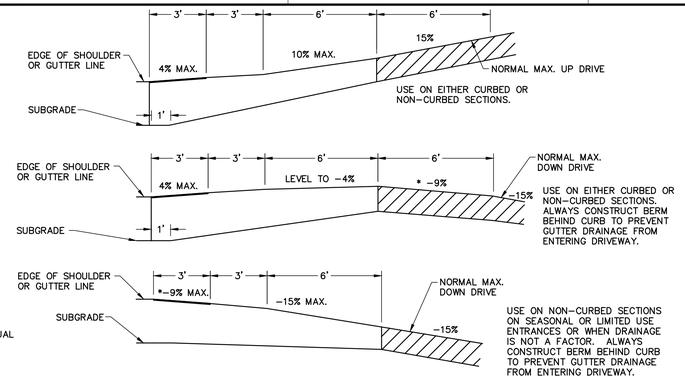


36" RCP CULVERT GRADING DETAIL

N.T.S.



NOTES ON MAXIMUM DRIVEWAY PROFILES:

1. THESE PROFILES ARE A GUIDE FOR THE MAJORITY OF CASES, BUT SHOULD BE FIELD CHECKED WHEN THE MAIN LINE GRADE IS STEEP (4% TO 6% OR GREATER) OR THE ANGLE OF APPROACH TO THE DRIVE IS UNUSUAL.

2. GENERALLY THE MAJORITY OF DRIVES ON A PROJECT WILL BE BUILT WITH FLATTER PROFILES THAN THESE MAXIMUM CASES.

*3. WHEN GRADING DRIVES WHICH ARE FLATTER THAN THE MAXIMUM PROFILES THE FOLLOWING RULE OF THUMB SHOULD BE USED. DO NOT EXCEED A GRADE % CHANGE OF MORE THAN 9% IN A 6' INCREMENT OF DRIVEWAY LENGTH, THIS APPLIES TO BOTH UP AND DOWN PROFILES.

4. DRIVES WITH GRADES EXCEEDING 15% MUST HAVE A DESIGN EXCEPTIONS.

5. ANY DESIGN CHANGE TO AN EXISTING DRIVEWAY THAT ADVERSELY CHANGES THE GRADE (+ OR -) BY MORE THAN 3% WILL REQUIRE A DESIGN EXCEPTION.

DESIGN EXCEPTION TO BE APPROVED BY CITY.

GENERAL NOTES:

1. THE FIRST 3' SHOWN AS PAVEMENT SHALL BE PAVED ONLY WHEN ABUTTING A PAVED AREA.

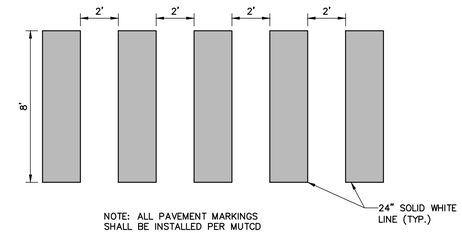
2. ALL RESIDENTIAL OR COMMERCIAL DRIVES 10% AND OVER SHALL BE PAVED.

3. BERM AT DRIVEWAY ENTRANCE SHALL BE A 1" IN HEIGHT PAVEMENT LIP.

DRIVES ON NON-SIDEWALK SECTIONS

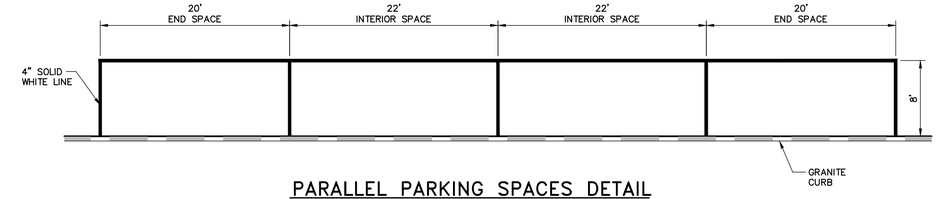
N.T.S.

PROVIDE MAXIMUM SLOPES PER DETAIL UNLESS OTHERWISE SHOWN ON CROSS-SECTIONS



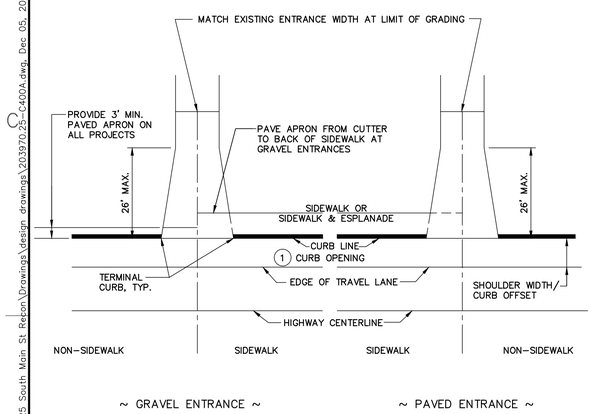
CROSSWALK DETAIL

N.T.S.



PARALLEL PARKING SPACES DETAIL

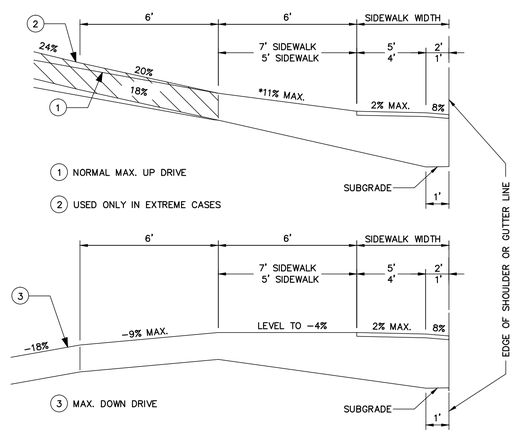
N.T.S.



1 MINIMUM CURB OPENING IS 20' WHERE THE SHOULDER WIDTH IS GREATER THAN 6.5' AND 26' WHERE THE SHOULDER WIDTH IS LESS THAN 6.5'

RESIDENTIAL ENTRANCE ONTO CURBED HIGHWAY WITH/WITHOUT SIDEWALKS – 801(06)

N.T.S.



GENERAL NOTES:
1. THE SIDEWALK WIDTH SHALL BE PAVED IN ALL CASES.

2. ALL RESIDENTIAL OR COMMERCIAL DRIVES 10% AND OVER SHALL BE PAVED.

NOTES ON MAXIMUM DRIVEWAY PROFILES:
1. THESE PROFILES ARE A GUIDE FOR THE MAJORITY OF CASES, BUT SHOULD BE FIELD CHECKED WHEN MAIN LINE GRADE IS STEEP (4% TO 6% OR GREATER) OR THE ANGLE OF APPROACH TO THE DRIVE IS UNUSUAL.

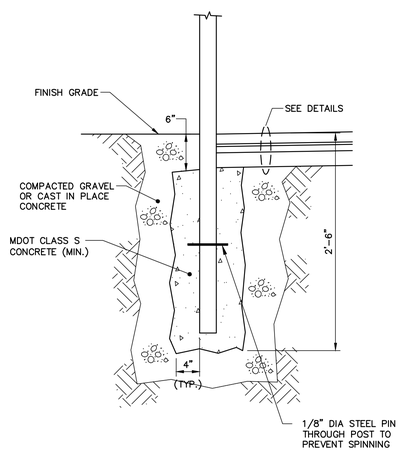
2. GENERALLY THE MAJORITY OF DRIVES ON A PROJECT WILL BE BUILT WITH FLATTER PROFILED THAN THESE MAXIMUM CASES.

*3. WHEN GRADING DRIVES WHICH ARE FLATTER THAN THE MAXIMUM PROFILES THE FOLLOWING RULE OF THUMB SHOULD BE USED: DO NOT EXCEED A GRADE PERCENT CHANGES OF MORE THAN 9% IN A 6' INCREMENT OF DRIVEWAY LENGTH. THIS APPLIES TO BOTH UP AND DOWN PROFILES.

DRIVES ON SIDEWALK SECTION – 801(01)

N.T.S.

PROVIDE MAXIMUM SLOPES PER DETAIL UNLESS OTHERWISE SHOWN ON CROSS-SECTIONS

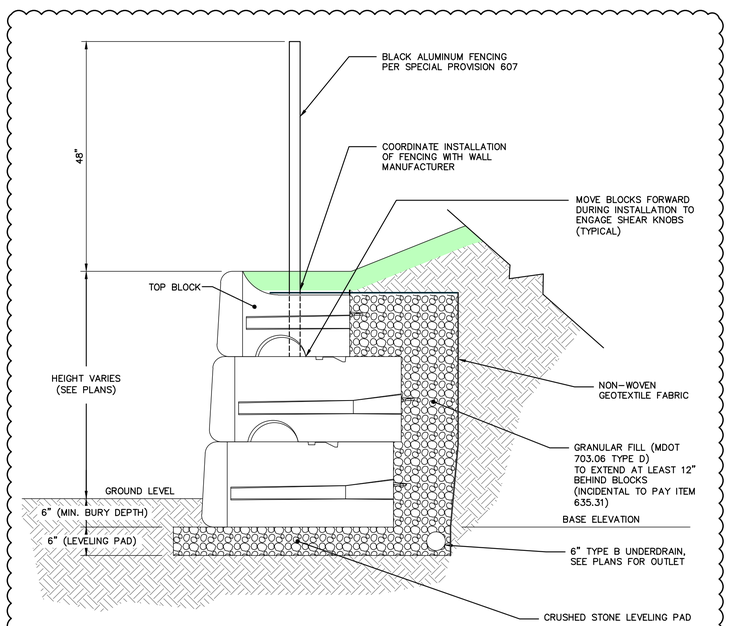


POST SPECIFICATION			
TYPE	HEIGHT ABOVE FIN. GRADE	POST DIAMATER	POST MATERIAL
STREET SIGNAGE	7'-0"	2 3/8" (O.D.)	GALV. STEEL

TYPICAL SIGN POST DETAIL

N.T.S.

A



NOTE: PREFAB CONCRETE GRAVITY BLOCK WALL SHALL BE PER SPECIAL PROVISION SPECIFICATION SECTION 635. PREFAB CONCRETE GRAVITY BLOCK WALL DETAIL IS FOR REFERENCE PURPOSES TO AID IN LAYOUT AND DEVELOPMENT OF MANUFACTURER DETAILS. WALL MANUFACTURER SHALL PROVIDE FINAL WALL DESIGN AND CALCULATIONS, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE. REFER TO SUPPLEMENTAL SPECIFICATION SECTION 635 FOR ADDITIONAL REQUIREMENTS.

SEGMENTED RETAINING WALL DETAIL

N.T.S.

NOTE: C400 TO C404 INCLUDE DETAILS FOR WORK IN PHASE I, PHASE II AND PHASE III. NOT ALL DETAILS SHOWN MAY BE APPLICABLE TO THIS CONTRACT.

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Portland, Maine 04102
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STATE OF MAINE
MEGAN D.L. MCDEVITT
13019
LICENSED PROFESSIONAL ENGINEER
NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/MDLM
DRAWN BY: BCM
CHECKED BY: DLC
203970.25-C400A.DWG

CIVIL DETAILS – 4

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

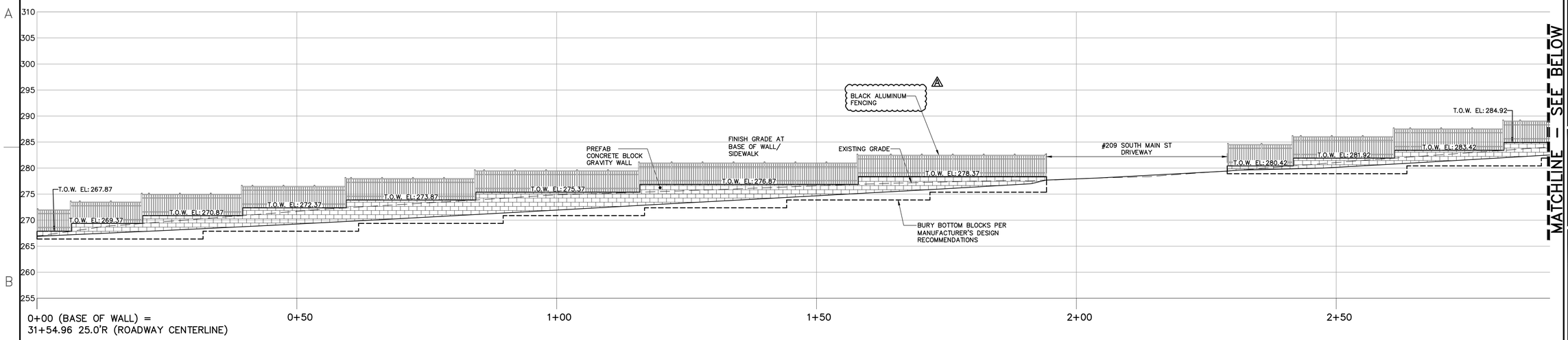
SOUTH MAIN STREET RECONSTRUCTION

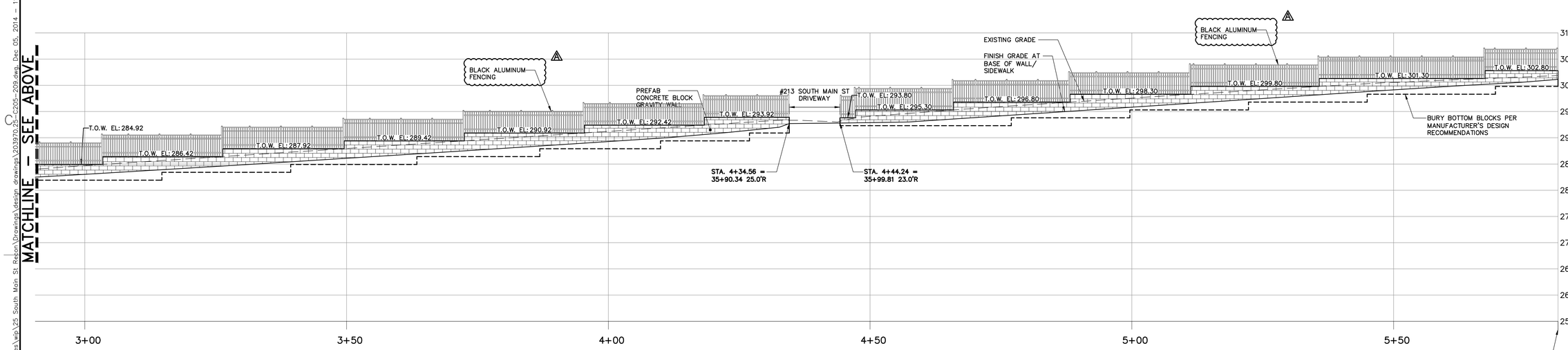
JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: AS NOTED
SHEET: 49 OF 51

C403

O:\203970 City of Auburn-General Consulting Services\wip\25 South Main St Recon\Drawings\design drawings\203970.25-C400A.dwg, Dec 05, 2014 - 11:48am

22x34 SHEET
1:1





PROFILE STA. 0+00 TO STA. 5+81.39

HORIZONTAL & VERTICAL SCALE: 1"=10'

NOTES:
1. PROFILE AND STATIONING REPRESENTS BASE OF PROPOSED PREFAB CONCRETE BLOCK GRAVITY WALL.
2. PREFAB CONCRETE GRAVITY BLOCK WALL PROFILE IS FOR REFERENCE PURPOSE ONLY. WALL MANUFACTURER SHALL PROVIDE FINAL WALL DESIGN AND LAYOUT, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE.
3. REFER TO SUPPLEMENTAL SPECIFICATION SECTION 635 FOR ADDITIONAL REQUIREMENTS.
4. WALL DESIGNER SHALL ASSUME THE FOLLOWING DESIGN FACTORS:
   a. FACTORED BEARING RESISTANCE: 1,500 PSF
   b. MAXIMUM BACKSLOPE: 1.5:1
   c. MINIMUM EMBEDMENT DEPTH: 6 INCHES.

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STATE OF MAINE
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NOVEMBER 21, 2014

REV	DESCRIPTION	DATE
A	ADDENDUM 1	12/5/14

DESIGNED BY: BCM/MDLM
DRAWN BY: BCM
CHECKED BY: DLC
203970.25-C205-209.DWG

PREFAB CONCRETE BLOCK GRAVITY WALL PROFILE

CITY OF AUBURN
60 COURT STREET
AUBURN, ME 04210

SOUTH MAIN STREET RECONSTRUCTION
PHASE II

JOB NO.: 203970.25
DATE: OCTOBER 2014
SCALE: 1"=10'
SHEET: 51 OF 51

C405

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