PINES OF ROCHESTER HILLS

920 SOUTH BOULEVARD WEST CITY OF ROCHESTER HILLS, MICHIGAN 48307 SECTION 34, T3N, R11E, CITY OF ROCHESTER HILLS, OAKLAND COUNTY

PREPARED FOR

AGE OF ROCHESTER HILLS, INC. 1245 E. GRAND BLANC ROAD GRAND BLANC, MICHIGAN 48439 (810) 701-0055

SITE LOCATION MAP

LEGAL DESCRIPTION

LEGAL: DESCRIPTION

LAND SITUATED IN THE CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, DESCRIBED AS: PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 3 NORTH, RANGE 11 EAST, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, BEING MORE PARTICULARLY DESCRIBED AS BEGINNING AT A POINT ON THE SOUTH SECTION LINE LOCATED NORTH 88 DEGREES 35 MINUTES OO SECONDS EAST, 325.71 FEET (EAST, 331.28 FEET RECORD) FROM THE SOUTHWEST CORNER OF SAID SECTION; THENCE NORTH 04 DEGREES 35 MINUTES OO SECONDS WEST, 337.99 FEET; THENCE NORTH 88 DEGREES 35 MINUTES OO SECONDS WEST, 337.99 FEET; THENCE SOUTH 04 DEGREES 34 MINUTES OO SECONDS EAST, 337.99 FEET; THENCE SOUTH OF DEGREES 35 MINUTES OO SECONDS EAST, 337.99 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION, THENCE SOUTH BB DEGREES 35 MINUTES OO SECONDS EAST, 337.99 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION, THENCE SOUTH BB DEGREES 35 MINUTES OO SECONDS EAST, 377.99 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION, THENCE SOUTH BB DEGREES 35 MINUTES OO SECONDS EAST, CONTAINING 387 ACRES AND IS SUBJECT TO THE ANY EASEMENTS, RESTRICTIONS OF RECORD AND THE RIGHTS OF THE PUBLIC IN SOUTH BD OULEVARD (60 FEET MIDE—HALF R.O.W.).

BENCHMARKS

BENCHMARK #1 NORTH RIM OF SANITARY MANHOLE LOCATED IN ASPHALT PATHWAY, 26 FEET SE'LY FROM END OF 6 FOOT CONCRETE WALL ELEVATION = 788.85' USGS

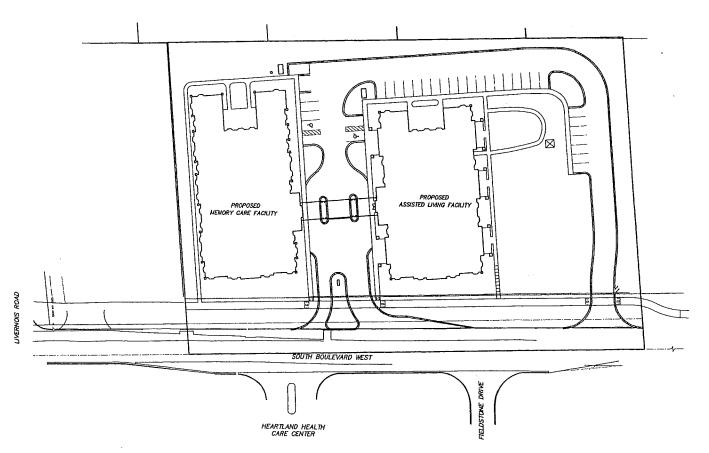
BENCHMARK #2 NORTHEAST FLANGE BOLT ON NEW HYDRANT ELEVATION = 790.23' USGS

BENCHMARK #3 SQUARE CONCRETE NAIL IN THE NORTH FACE OF A POWER POLE. ELEVATION = 789.80' USGS

BENCHMARK #4 SOUARE CONCRETE NAIL IN THE NORTH FACE OF A POWER POLE WITH NO WIRES, ELEVATION = 787.89' USGS

LECEND

<u>LEGEND</u>	
····	STORM SEWER & MANHOLE
Š,	- SANITARY SEWER & MAHHOLE
— Z Ø	WATERMAN, HYDRANT, & VALVE
	GAS WAIN & VALVE
-(T	BURIED TELEPHONE & MANHOLE
-EE-	- UNDER GROUND ELECTRIC & MANHOLE
<u>~~</u> ~	- OVERHEAD ELECTRIC, POLE, & GUY WARE
□ 🛇	CATCH BASIN (CURB & ROUND)
' ₩	WATER MANHOLE
785	CONTOUR LINE
—-кк	FENCE
- 0 - 0	GUARD RAIL
*	LIGHT POLE
· *	SIGN
:	STREET SIGN
Δ	MAKBOX
	MONITOR MELL
-	FLOW DIRECTION
	EXISTING CONTOURS
	PROPOSED CONTOURS
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COMPACTED TO 95% HODERED PROCTOR



MUNICIPAL /UTILITY CONTACTS

CITY OF ROCHESTER HILLS PLANNING AND ECONOMIC DEVELOPMENT ED ANZEK, DIRECTOR SARA ROEDIGER, MANAGER ROCHESTER HILLS, MICHIGAN 48309 (248) 841-2572/2573

CITY OF ROCHESTER HILLS BUILDING DEPARTMENT SCOTT COPE, DIRECTOR 1000 ROCHESTER HILLS DRIVE ROCHESTER HILLS, MICHIGAN 48309 (248) 841-2445

CITY OF ROCHESTER HILLS 1000 ROCHESTER HILLS DRIVE ROCHESTER HILLS, MICHIGAN 48309 (248) 841-2504

STEVE SHORE, ENGINEER DEAN JONES, ENGINEER 54 NORTH MILL STREET PONTIAC. MICHIGAN 48342 (248) 459-9371

DETROIT EDISON MACOMB SERVICE CENTER RON CLEVELAND 15600 19 MILE ROAD CLINTON TOWNSHIP, MICHIGAN 48038 (586) 412-4709

ROBIN O'CONNELL ONE ENERGY PLAZA, 518 SB DETROIT, MICHIGAN 48226

ROAD COMMISSION OF OAKLAND COUNTY PERMITS DEPARTMENT SCOTT SINTKOWSKI, P.E. 2420 PONTIAC LAKE ROAD WATERFORD, MICHIGAN 48328 (240) 884 ANTE

OAKLAND COUNTY WATER RESOURCE COMMISSIONER OARLAND COUNTY WATER KES GLEN APPEL, CHIEF ENGINEER PUBLIC WORKS BUILDING ONE PUBLIC WORKS DRIVE WATERFORD, MICHIGAN 48328 (248) 858—1329

COMCAST TOM DICKINSON 6095 WALL STREET STERLING HEIGHTS, MICHIGAN 48312 (586) 883-7412

CONSUMERS ENERGY (248) 858-4405



PRET ININARY FRELIMINARY
NOT FOR CONSTRUCTION
ISSUED FOR SITE PLAN APPROVAL
6-5-15

DISTRIBUTION INDEX/APPROVAL STATUS

AGENCY	DATE SUBMITTED	COMMENTS
CITY OF ROCHESTER HILLS	3-18-15	SITE PLAN REVIEW
AT&T - STEVE SHORE	3-18-15	PLAN REVIEW
AT&T - DEAN JONES	3-18-15	UTILITY LOCATION
COMCAST	J-18-15	PLAN REVIEW AND UTILITY LOCATION
CONSUMERS ENERGY	3-18-15	PLAN REVIEW AND UTILITY LOCATION
DETROIT EDISON - RON CLEVELAND	J-18-15	PLAN REVIEW AND UTILITY LOCATION
DETROIT EDISON - ROBIN O'CONNELL	3-18-15	UTILITY LOCATION
OAKLAND COUNTY WATER RESOURCE COMMISSION	3-19-15	CONFIRMED NO AUTHORITY, 3-24-15
ROAD COMMISSION OF DAKLAND COUNTY	3-19-15	SITE PLAN REVIEW
CITY OF ROCHESTER HILLS	6-5-15	ISSUED FOR SITE PLAN APPROVAL
ROAD COMMISSION OF DAKLAND COUNTY	6-5-15	REVISED SITE PLAN REVIEW



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IRRIGATION PLAN (1)	

CHMP INC.
5198 TERRITORIAL ROAD
GRAND BLANC, MI 48438
TELEPHONE 810/808-5810

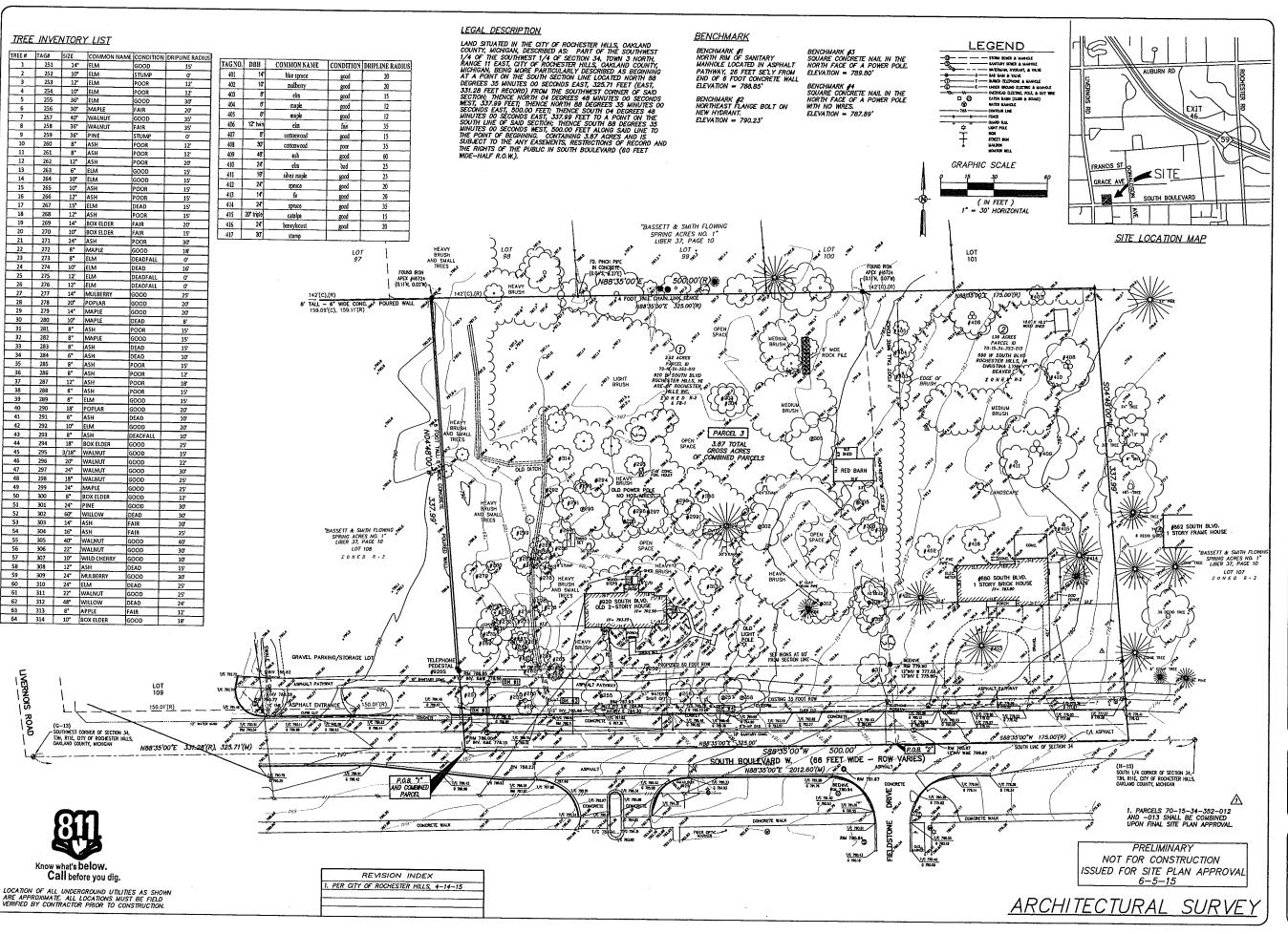


ARCHITECTURE ENGINEERING LANDBCAPE ARCHITECTURE BURVEYING

CHMP PROJECT NO. 13005500 CITY FILE #13-016.3



LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE. ALL LOCATIONS MUST BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.



CHMP INC. SIDS TERRITORIAL ROAD GRAND BLANC, NI 48459 TELEPHONE BIO/898-8910



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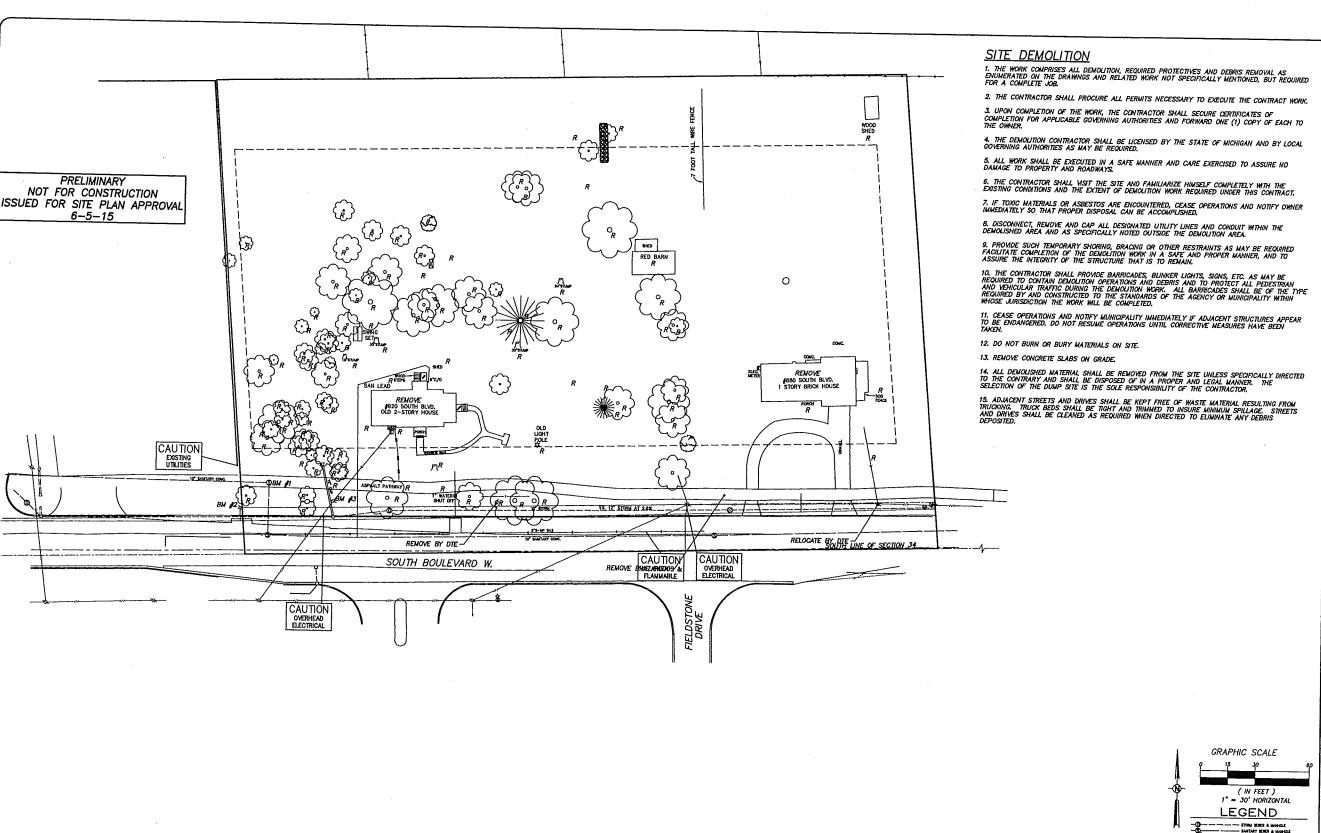
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PREPARED FOR

AGE OF ROCHESTER HALLS, BK 1245 E. GRAND BLANC ROAD GRAND BLANC, MICHIGAN 4843 (810) 701-0005

PROJECT NO. 1300550 DATE DRAWN 2-7-14 DATE REVISED: AS-BUILT DATE SHEET NUMBER



Know what's below.

Call before you dig. LOCATION OF ALL UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE. ALL LOCATIONS MUST BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

REVISION INDEX 1. PER CITY OF ROCHESTER HILLS, 4-14-15
2. PER ROAD COMMISSION FOR OAKLAND COUNTY, 5-4-15

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R-REMOVE

DEMOLITION PLAN

CHMP INC. 5188 TERRITORIAL ROAD GRAND BLAND, NI 48430 TELEPHONE \$10/485-8810



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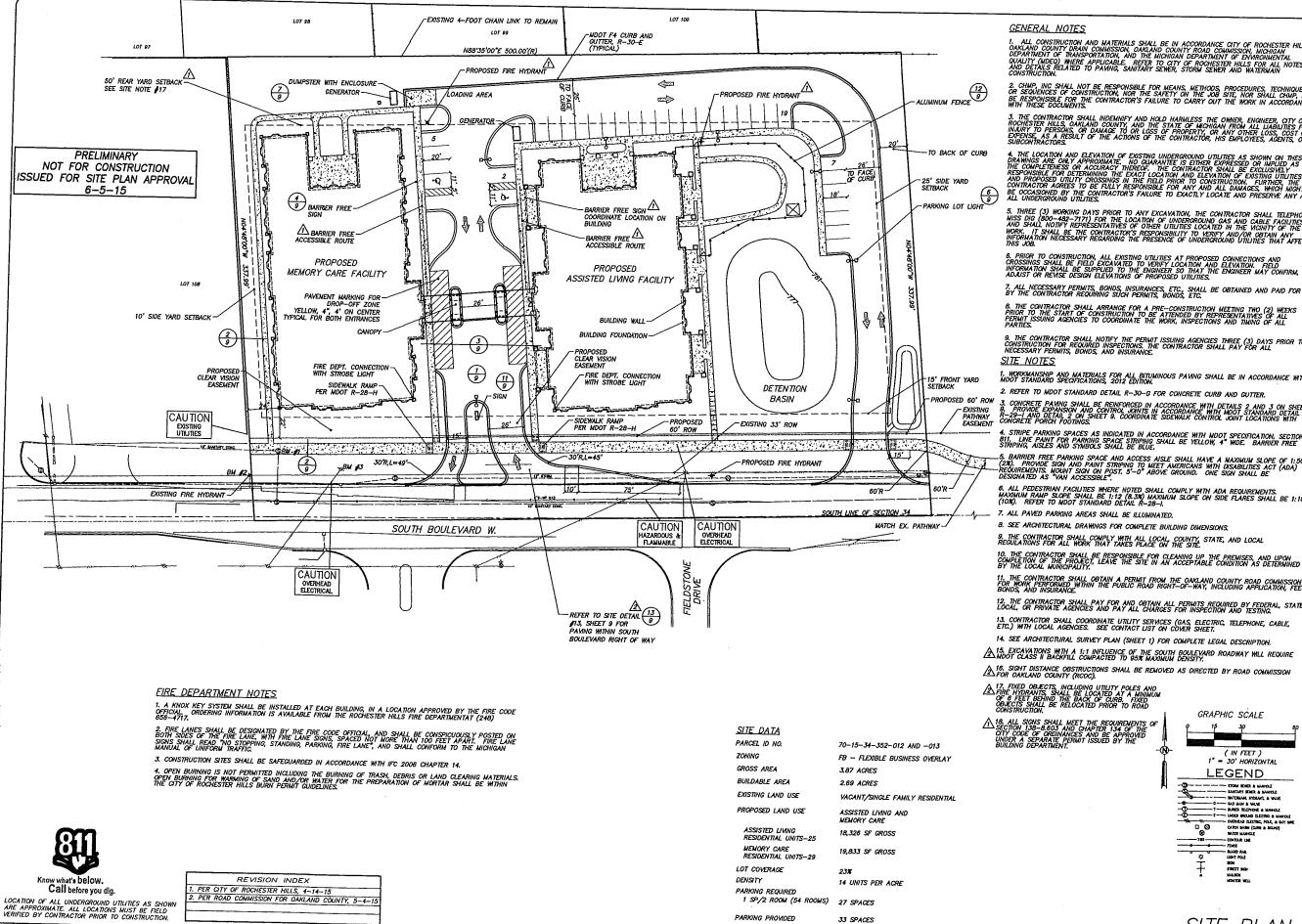
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PREPARED FOR

AGE OF ROCHESTER HILLS, INC 1245 E. GRAND BLANC ROAD RAND BLANC, MICHEGAN 4843. (810) 701-0005

PROJECT NO. 1300550 DATE DRAWN: 2-7-14 DATE REVISED: 6-5-15 AS-BUILT DATE:

SHEET NUMBER



PARKING PROVIDED

BUILDING CONSTRUCTION TYPE 58

JJ SPACES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE CITY OF ROCHESTER HILLS, OAKLAND COUNTY DRAIN COMMISSION, OAKLAND COUNTY ROAD COMMISSION, MICHIGAN DEPARTMENT OF TRANSPORTATION, AND THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) WHERE APPLICABLE. REFER TO CITY OF ROCHESTER HILLS FOR ALL NOTES AND DETAILS RELATED TO PAYING, SANITARY SEWER, STORM SEWER AND WATERMAIN

2. CHMP, INC SHALL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION, NOR THE SAFETY ON THE JOB SITE, NOR SHALL CHMP, INC BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THESE DOCUMENTS.

3. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, ENGINEER, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, AND THE STATE OF MICHIGAN FROM ALL LIABILITIES FOO INJURY TO PERSONS, OR DAMAGE TO OR LOSS OF PROPERTY, OR ANY OTHER LOSS, COST OR EXPENSE, AS A RESULT OF THE ACTIONS OF THE CONTRACTOR, HIS EMPLOYEES, AGENTS, OR SUBCONTRACTORS.

4. THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWNGS ARE ONLY APPROXIMATE. NO GLARANTEE IS EITHER EXPRESSED OR MIPHED AS TO THE CONTRECTENESS OF A GCURACY THEREOF. THE CONTRECTOR SHALL BE EXCOUNTED AS TO RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF EXISTING HEADY PROPOSED UTILITY CROSSINGS IN THE RELEAPING TO CONSTRUCTION, LURTISH THE CONTRACTOR AGREES TO BE TULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

5. THREE (3) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL TELEPHONE WISS DIG (800—482—7171) FOR THE LOCATION OF UNDERGROUND CAS AND CABLE FACILITIES AND SHALL NOTIFY REPRESENTATIVES OF OTHER UNLITIES LOCATED IN THE MICHITY OF THE WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND/OR OBTAIN ANY INFORMATION NECESSARY REGARDING THE PRESENCE OF UNDERGROUND UTILITIES THAT AFFECT THIS JOB.

8. PRIOR TO CONSTRUCTION, ALL EXISTING UTILITIES AT PROPOSED CONNECTIONS AND CROSSINGS SHALL BE FIELD EXCAVATED TO VERIFY LOCATION AND ELEVATION, FIELD INFORMATION SHALL BE SUPPLIED TO THE ENGINEER SO THAT THE ENGINEER MAY CONFIRM, ADJUST OR REVISE DESIGN ELEVATIONS OF PROPOSED UTILITIES.

7. ALL NECESSARY PERMITS, BONDS, INSURANCES, ETC., SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR REQUIRING SUCH PERMITS, BONDS, ETC.

B. THE CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION TO BE ATTENDED BY REPRESENTATIVES OF ALL PERMIT ISSUING AGENCIES TO COORDINATE THE WORK, INSPECTIONS AND TIMING OF ALL PARTIES.

9. THE CONTRACTOR SHALL NOTIFY THE PERMIT ISSUING AGENCIES THREE (3) DAYS PRIOR TO CONTRUCTION FOR REQUIRED INSPECTIONS, THE CONTRACTOR SHALL PAY FOR ALL NECESSARY PERMITS, BONDS, AND INSURANCE.

1. WORKMANSHIP AND MATERIALS FOR ALL BITUMINOUS PAYING SHALL BE IN ACCORDANCE WITH MOOT STANDARD SPECIFICATIONS, 2012 EDITION.

2. REFER TO MOOT STANDARD DETAIL R-30-G FOR CONCRETE CURB AND GUTTER.

3. CONCRETE PAYING SHALL BE REINFORCED IN ACCORDANCE WITH DETAILS 2 AND 3 ON SHELL 9. PROVIDE EXPLAISION AND CONTROL WINTS IN ACCORDANCE WITH MOOT STAYDARD DETAIL CONCRETE PORCH FOOTINGS.

4. STRIPE PARKING SPACES AS INDICATED IN ACCORDANCE WITH MIDOT SPECIFICATION, SECTION B11. LINE PAINT FOR PARKING SPACE STRIPING SHALL BE YELLOW, 4" WIDE. BARRIER FREE STRIPING, AUSLES AND SYMBOLS SHALL BE BLUE.

...5. BARRIER FREE PARKING SPACE AND ACCESS AISLE SHALL HAVE A MAXIMUM SLOPE OF 1:50 (28), PROVIDE SIGN AND PAINT STRIPING TO MEET AMERICANS WITH DISABILITIES ACT (ADA) -REQUIREMENTS, MOUNT SIGN ON POST, 5'-0" ABOVE GROUND, ONE SIGN SHALL BE DESIGNATED AS "VAN ACCESSIBLE",

6. ALL PEDESTRIAN FACILITIES WHERE NOTED SHALL COMPLY WITH ADA REQUIREMENTS. MAXIMUM RAMP SLOPE SHALL BE 1:12 (8.3%) MAXIMUM SLOPE ON SIDE FLARES SHALL BE 1:10 (10%). REFER TO MOOT STANDARD DETAIL R-28-1.

B. SEE ARCHITECTURAL DRAWINGS FOR COMPLETE BUILDING DIMENSIONS.

9. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL COUNTY, STATE, AND LOCAL REGULATIONS FOR ALL WORK THAT TAKES PLACE ON THE SITE.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE PREMISES, AND UPON COMPLETION OF THE PROJECT, LEAVE THE SITE IN AN ACCEPTABLE CONDITION AS DETERMINED BY THE LOCAL MUNICIPALITY.

12. THE CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS REQUIRED BY FEDERAL, STATL LOCAL, OR PRIVATE AGENCIES AND PAY ALL CHARGES FOR INSPECTION AND TESTING.

13. CONTRACTOR SHALL COORDINATE UTILITY SERVICES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) WITH LOCAL AGENCIES. SEE CONTACT LIST ON COVER SHEET.

15. EXCAVATIONS WITH A 1:1 INFLUENCE OF THE SOUTH BOULEVARD ROADWAY WILL REQUIRE MADDIT CLASS II BACKFILL COMPACTED TO 95% MADDING DENSITY. 16. SIGHT DISTANCE OBSTRUCTIONS SHALL BE REMOVED AS DIRECTED BY ROAD COMMISSION FOR OAKLAND COUNTY (RCOC).



SITE PLAN

CHMP INC.



AROHITEOTURE Engineering Landboape architecture Surveying

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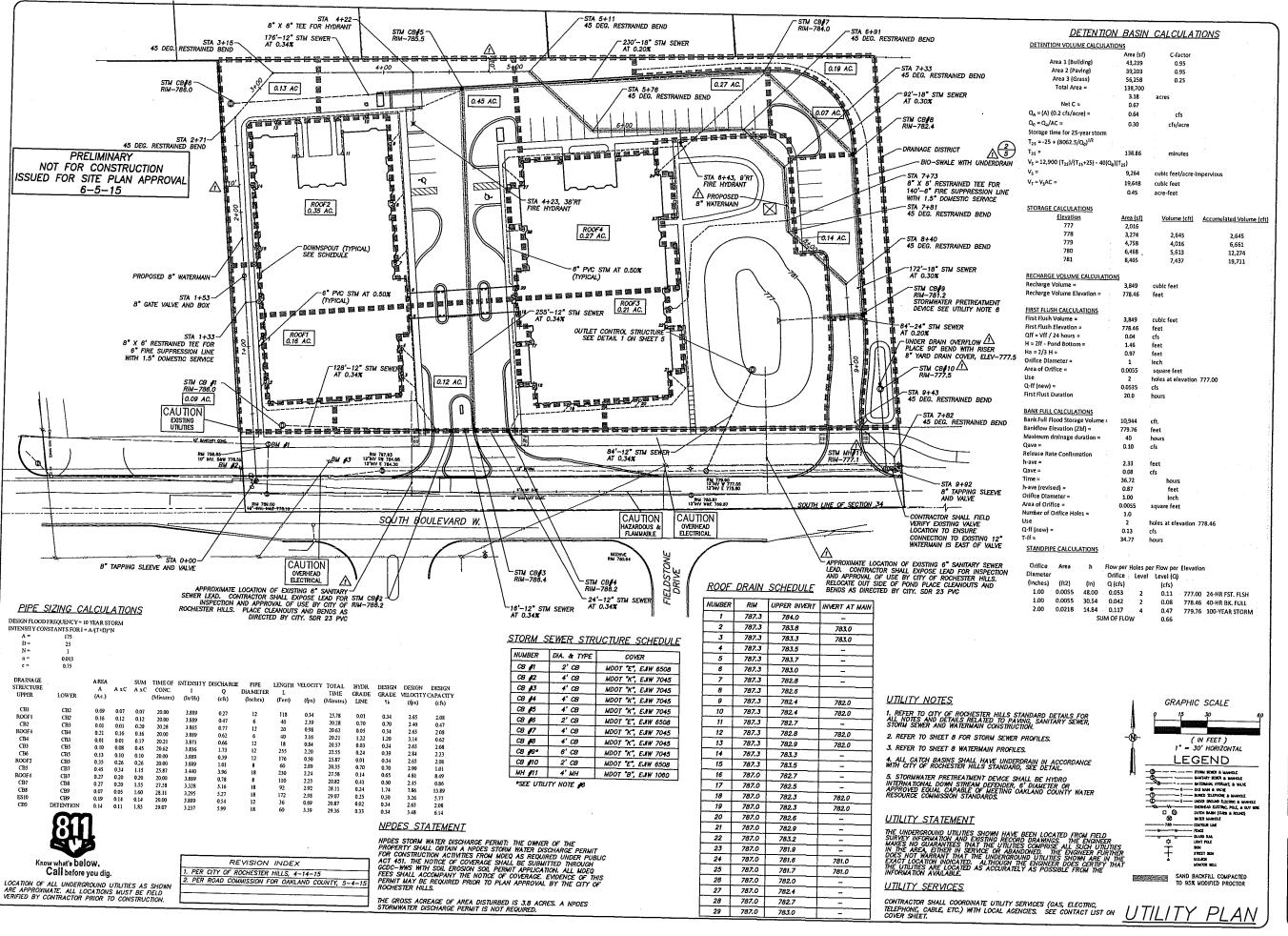
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PREPARED FOR

AGE OF ROCHESTER HILLS, IN 1245 E. GRAND BLANC ROAD RAND BLANC, MICHIGAN 484. (810) 701-0005

PROJECT NO. 130055 DATE DRAWN: 2-7-14 DATE REVISED: 6-5-1 AS-BUILT DATE: SHEET NUMBER



CHMP INC. SISS TERRITORIAL ROAD GRAND BLANC, MI 48438 TELEPHONE 810/885-8810



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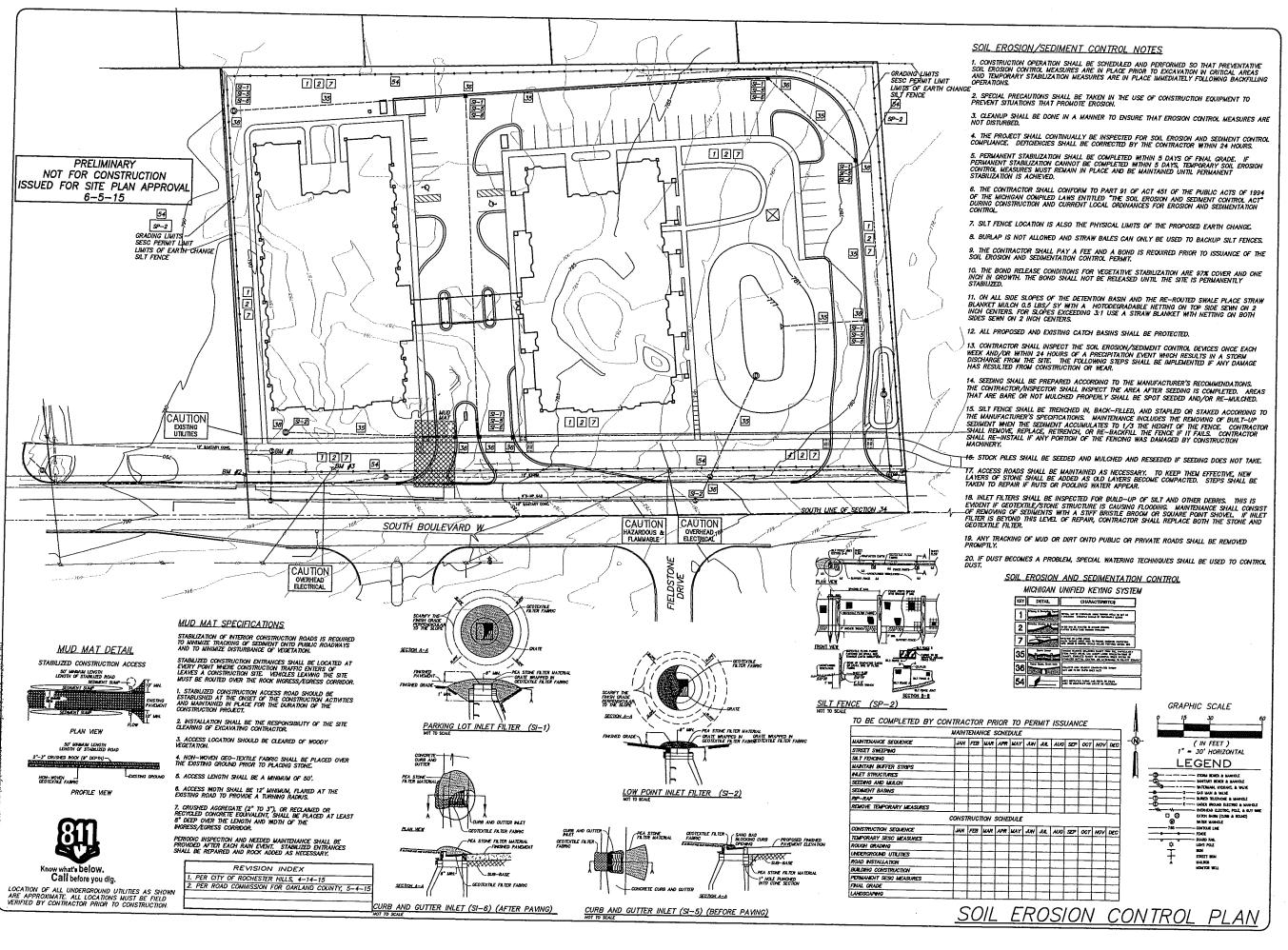
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PREPARED FOR

AGE OF ROCHESTER HILLS, IN 1245 E. GRAND BLANC ROAL GRAND BLANC, MICHIGAN 4843 (810) 201-0005

PROJECT NO. 130055 DATE DRAWN: 2-7-14 DATE REVISED: 6-5-15 AS-RUUT DATE SHEET NUMBER



CHMP INC. SISS TERRITORIAL ROAD TELEPHONE A10/888-8810



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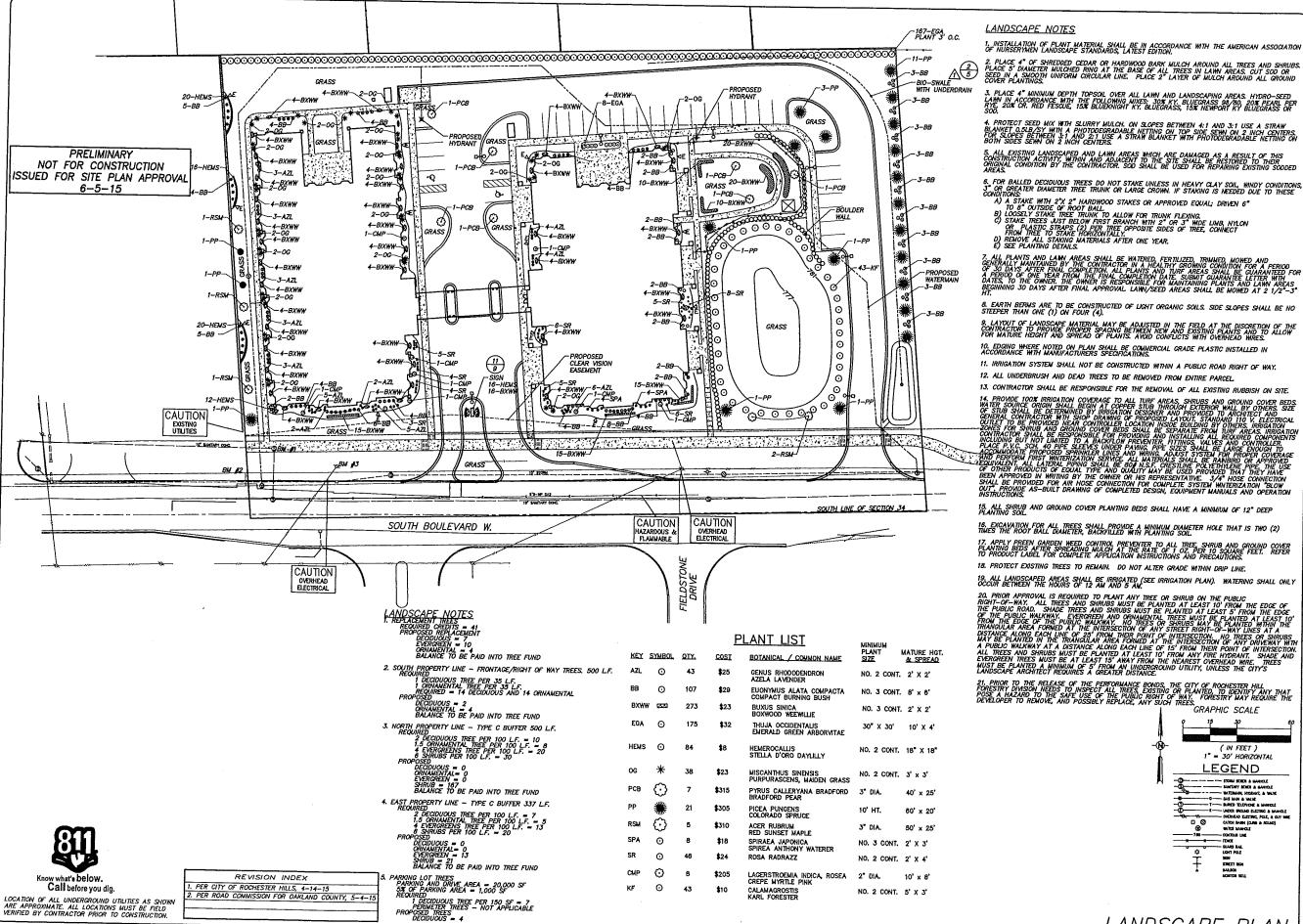
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 $\langle \mathcal{N} \rangle$ OAKLAND 48307 EVARD WEST. S, MICHIGAN HIL 920 SOUTH BOULEVARD OF ROCHESTER HILLS, MICHRITE, CITY OF ROCHESTER $\langle \mathcal{O} \rangle$ CHI Ŏ 0 OCITY T3N, PIN

PREPARED FOR

AGE OF ROCHESTER HILLS, IN 1245 E. GRAND BLANC ROAD GRAND BLANC, MICHIGAN 484 (810) 701-0005

PROJECT HO. DATE DRAWN: DATE REVISED: 6-5-15 AS-BUILT DATE SHEET NUMBER



1. INSTALLATION OF PLANT MATERIAL SHALL BE IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN LANDSCAPE STANDARDS, LATEST EDITION,

2. PLACE 4" OF SHREDDED CEDAR OR HARDWOOD BARK MULCH AROUND ALL TREES AND SHRUBS. PLACE 5" DIAMETER MULCHED RING AT THE BASE OF ALL TREES IN LAWN AREAS. CUT SOD OR SEED IN A SMOOTH UNITORIN CIRCULAR LINE. PLACE 2" LAYER OF MULCH AROUND ALL GROUND COVER PLANTINGS.

3. PLACE 4" MINIMUM DEPTH TOPSOIL OVER ALL LAWN AND LANDSCAPING AREAS. HYDRO-SEED LAWN IN ACCORDANCE MITH THE FOLLOWING MIXES: 30% KY. BLUEGRASS 98/80, 20% PEARL PER RYE, 20% CR. RED FESCUE, 15% BLUEKNIGHT KY. BLUEGRASS, 15% NEWPORT KY BLUEGRASS OR 500.

4. PROTECT SEED MIX WITH SLURRY MULCH. ON SLOPES BETHEEN 4:1 AND 3:1 USE A STRAW BLANKET 0.5LB/SY WITH A PHOTOEGRADABLE NETTING ON TOP SIDE SEWN ON 2 INCH CENTERS. FOR SLOPES BETHEEN 3:1 AND 2:1 USE A STRAW BLANKET WITH PHOTOEGRADABLE NETTING ON BOTH SIDES SEWN ON 2 INCH CENTERS.

5. ALL EXISTING LANDSCAPED AND LAWN AREAS WHICH ARE DAMAGED AS A RESULT OF THIS CONSTRUCTION ACTIVITY, WITHIN AND ADJACENT TO THE SITE SHALL BE RESTORED TO THER ORIGINAL CONDITION BY THE CONTRACTOR. SOO SHALL BE USED FOR REPAIRING EXISTING SODDED AREAS.

7. ALL PLANTS AND LAWN AREAS SHALL BE WATERED, FERTILIZED, TRIMMED, MOWED AND GENERALLY MAINTAINED BY THE CONTRACTOR IN A HEALTHY GROWING CONDITION FOR A PERIOD OF 30 DAYS AFTER FINAL COMPLETION, ALL PLANTS AND TUPE AREAS SHALL BE GLARANTEED FOR A PERIOD OF ONE YEAR FROM THE FINAL COMPLETION DATE. SUBMIT GUARANTEE LETTER WITH DATES, TO THE OWNER THE OWNER IS RESPONSIBLE FOR MAINTAINING PLANTS AND LAWN AREAS BEGINNING 30 DAYS AFTER FINAL APPROVAL LAWN/SEED AREAS SHALL BE MOWED AT 2 1/2"-3"

8. EARTH BERMS ARE TO BE CONSTRUCTED OF LIGHT ORGANIC SOILS. SIDE SLOPES SHALL BE NO STEEPER THAN ONE (1) ON FOUR (4),

9. LYPOUT OF LANDSCAPE MATERIAL MAY BE ADJUSTED IN THE FIELD AT THE DISCRETION OF THE CONTRACTOR TO PROVIDE PROPER SPACING BETWEEN NEW AND EXISTING PLANTS AND TO ALLOW FOR MATURE HEIGHT AND SPREAD OF PLANTS. AVID CONFLICTS WITH OVERHEAD WIRE. 10. EDGING WHERE NOTED ON PLAN SHALL BE COMMERCIAL GRADE PLASTIC INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

- 11. IRRIGATION SYSTEM SHALL NOT BE CONSTRUCTED WITHIN A PUBLIC ROAD RIGHT OF WAY.
- 12. ALL UNDERBRUSH AND DEAD TREES TO BE REMOVED FROM ENTIRE PARCEL.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING RUBBISH ON SITE. 13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING RUBBISH ON SITE.

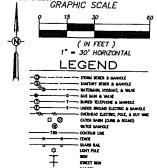
 14. PRONDE TOOK IRRIGATION COVERAGE TO ALL TURE AREAS, STRUBS AND GROUND COVER BEST
 WATER SOURCE ORIGINA SHALL BEGIN AT COPPER STUB THROUGH EXTERIOR WALL BY OTHERS. SIZE
 OF STUB SHALL BE SHALL BE BY REMOVED BY REPORT AND PROVIDED TO ARCHITECT AND
 GENERAL CONTRACTOR OF THE STRUBLE BY REPORT OF THE STATE OF TH

15. ALL SHRUB AND GROUND COVER PLANTING BEDS SHALL HAVE A MINIMIUM OF 12" DEEP PLANTING SOIL.

16. EXCAVATION FOR ALL TREES SHALL PROVIDE A MINIMUM DIAMETER HOLE THAT IS TWO (2) TIMES THE ROOT BALL DIAMETER, BACKFILLED WITH PLANTING SOIL.

ALL LANDSCAPED AREAS SHALL BE IRRIGATED (SEE IRRIGATION PLAN). WATERING SHALL ONLY OCCUR BETWEEN THE HOURS OF 12 AM AND 5 AM.

20. PRIOR APPROVAL IS REQUIRED TO PLANT ANY TREE OR SHRUB ON THE PUBLIC RIGHT-OF-WAY. ALL TREES AND SHRUBS MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF THE PUBLIC ROLD. SHADE TREES AND SHRUBS MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF THE PUBLIC WALKWAY. EVERGEEN AND OF ROMANENTAL TREES MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF THE PUBLIC WALKWAY. NO TREES OR SHRUBS MAY BE PLANTED MITHIN THE TRANGOLAR AREA FORMED AT THE INTERSECTION OF ANY SHREET RIGHT-OF-WAY LIBE AT A DISTANCE ALONG EACH LINE OF 25' FROM THEIR POINT OF INTERSECTION. NO TREES OR SHRUBS MAY BE PLANTED IN THE TRANGOLAR AREA FORMED AT THE INTERSECTION OF ANY DRIVEWAY WHAT A PUBLIC WALKWAY AT A DISTANCE ALONG EACH LINE OF 15' FROM THEIR POINT OF INTERSECTION ALD THE ROLD OF THE PUBLIC WALKWAY AT A DISTANCE ALONG EACH LINE OF 15' FROM THEIR POINT OF INTERSECTION. ALL TREES AND SHRUBS MUST BE PLANTED AT HEAST 10' FROM ANY FIRE HYDRAIT. SHADE AND EVERGREEN TREES MUST BE PLANTED AT HIS DISTANCE AND SHRUBS HOST BE PLANTED AT MUDERGROUND UTILITY, UNLESS THE CITY'S LANDSCAPE ARCHITECT REQUIRES A GREATER DISTANCE.



<u>LANDSCAPE PLAN</u>

CHMP INC. BIDS TERRITORIAL ROAD GRAND BLANG, MI 48480 TELEPHONE 810/884-6810



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THE MATERIAL IS THE ENGLISHING PROPERTY OF CHAPT INC. AND CAMPON IN APPLICATION OF CHAPT INC. AND CAMPON IN APPLICATION OF CHAPT INC.

WHITTEN COMMISSION OF CHAPT INC.

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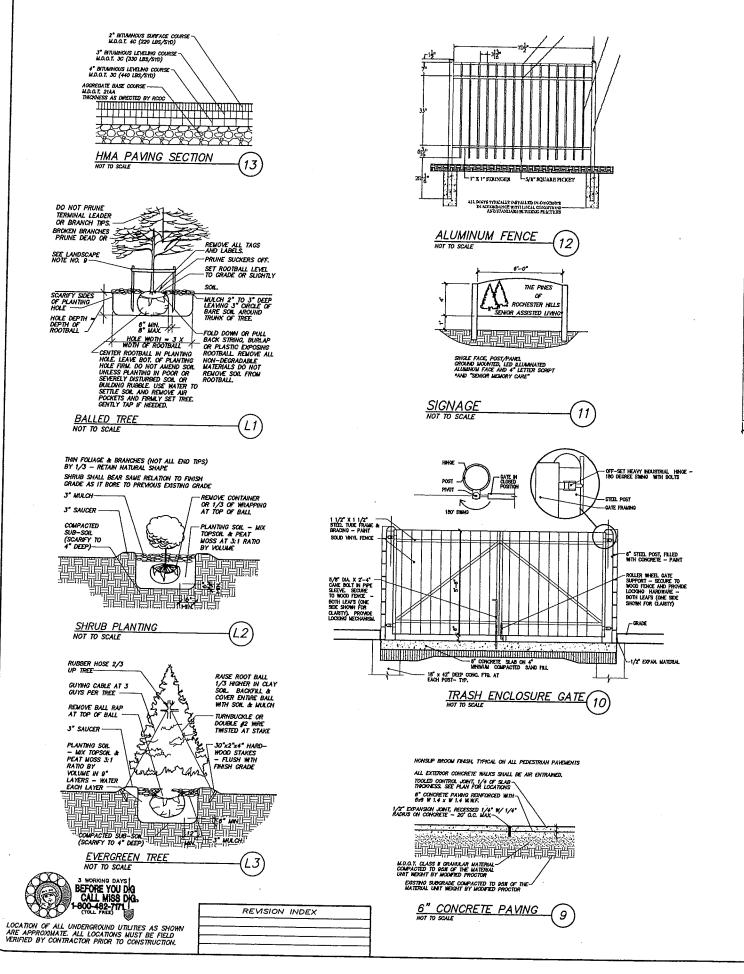
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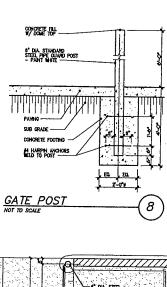
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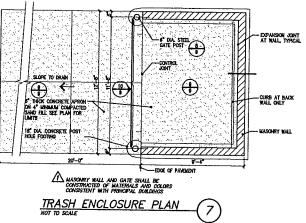
AGE OF ROCHESTER HILLS, INC 1245 E. GRAND BLANC ROAD GRAND BLANC, MICHEGAN 4843 (810) 701-0005

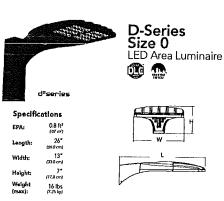
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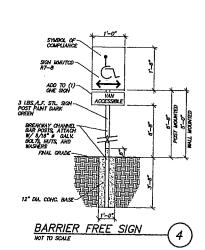


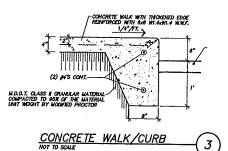


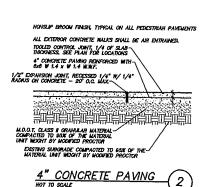


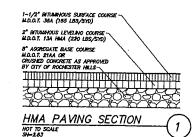
BOLLARD LIGHT (OPTIONAL)











PRELIMINARY NOT FOR CONSTRUCTION ISSUED FOR SITE PLAN APPROVAL 6-5-15

SITE DETAILS

CHMP INC. SIOS TERRITORIAL ROAD GRAND BLAND, MI 48480 TREEPHONE \$18/698-8918



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COUNTY

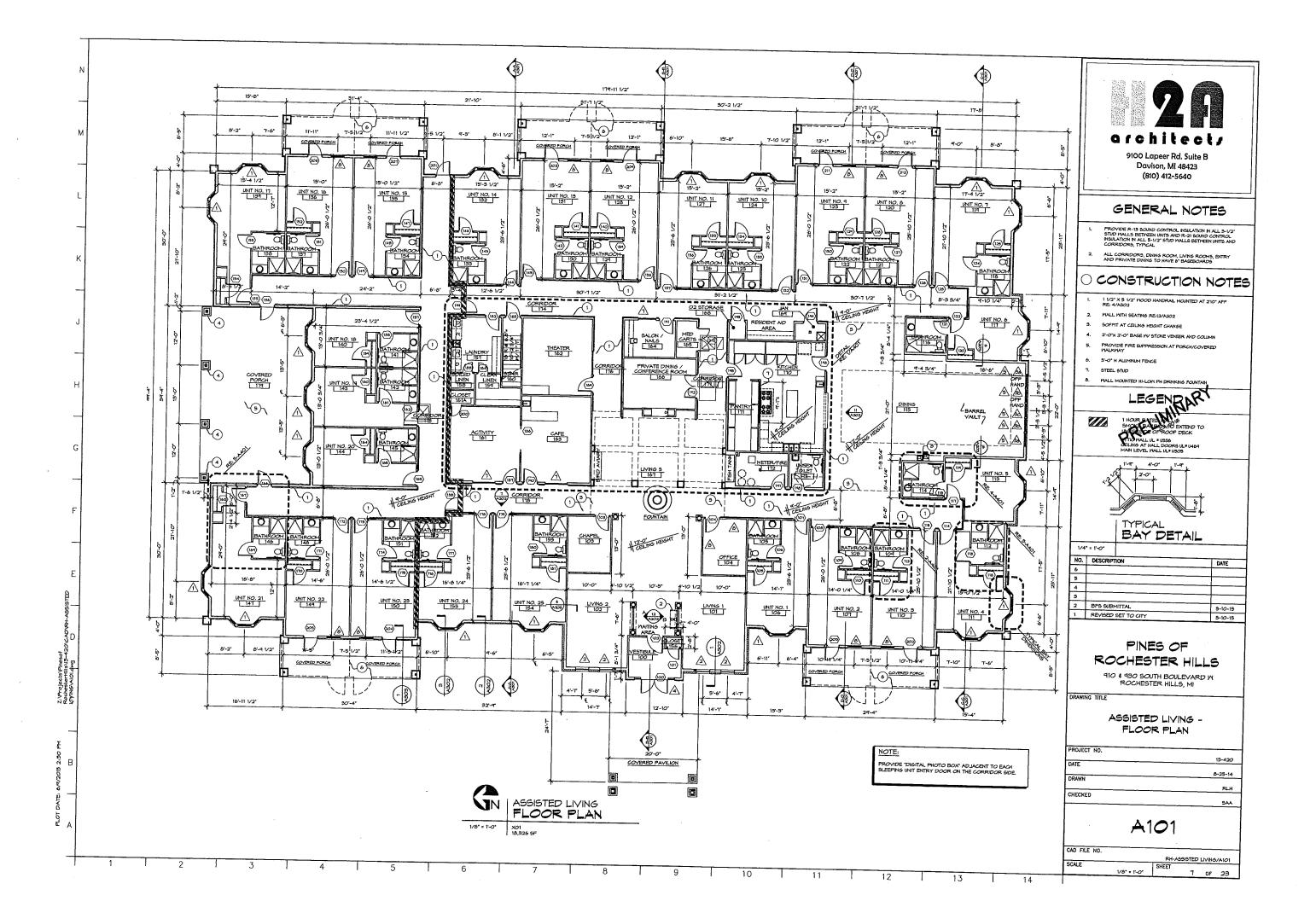
48307 Ω, SOUTH BOULEVARD VE ROCHESTER HILLS, MICH. 5 OCHE Œ O9 CITN/d

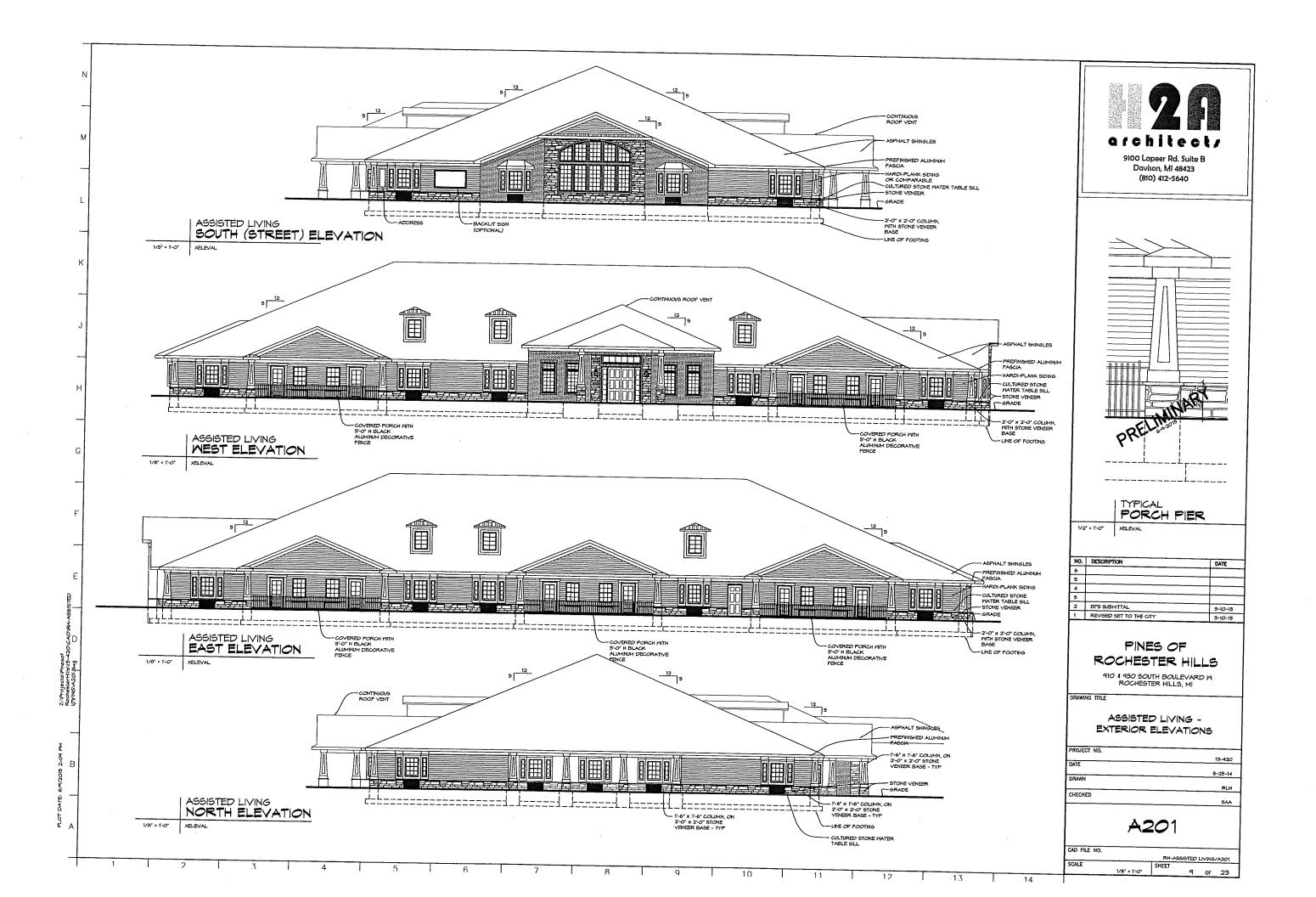
PREPARED FOR AGE OF ROCHESTER, INC.

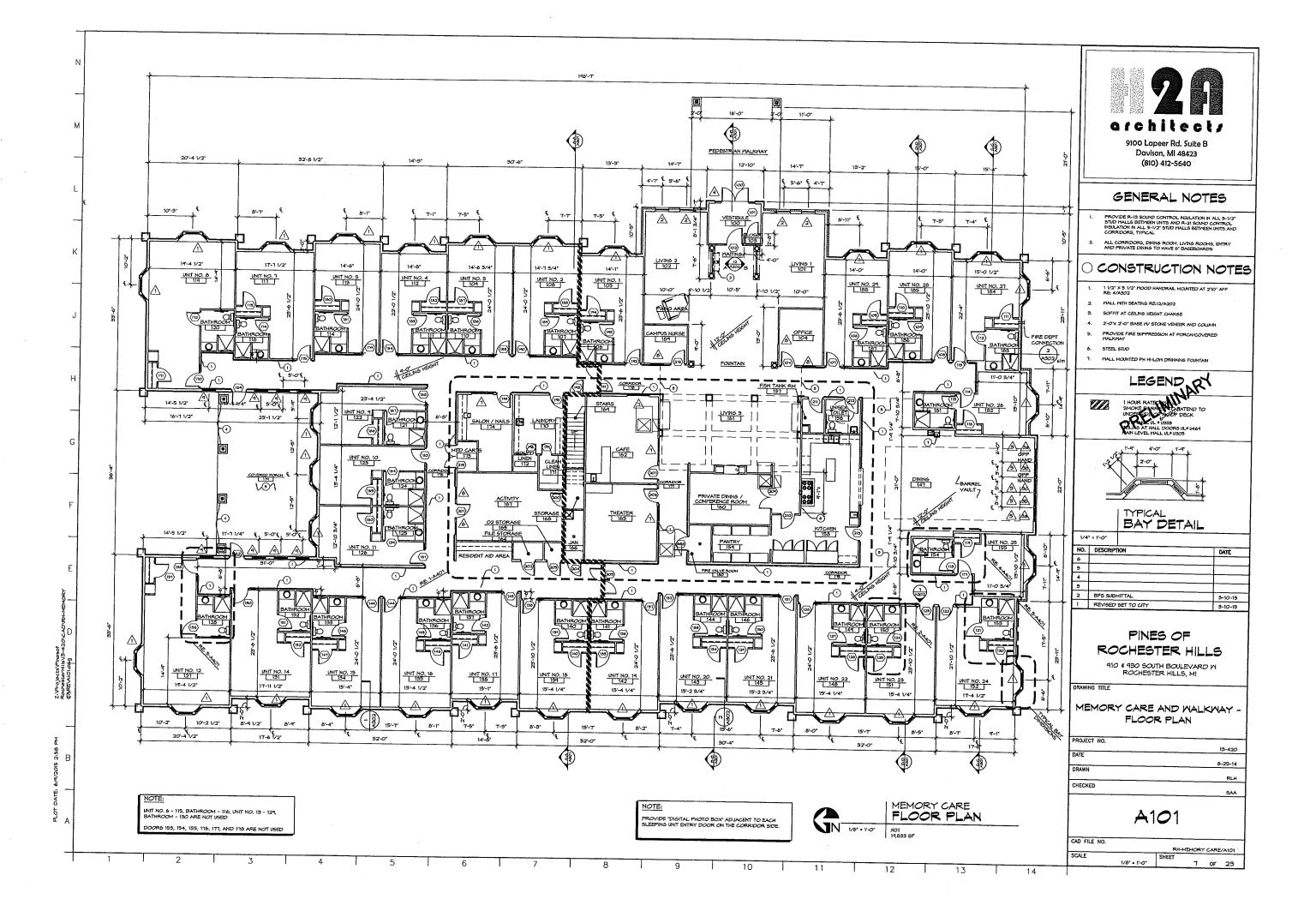
1245 E. GRAND BLANC ROAL RAND BLANG, MICHEGAN 4843 (810) 701-0055

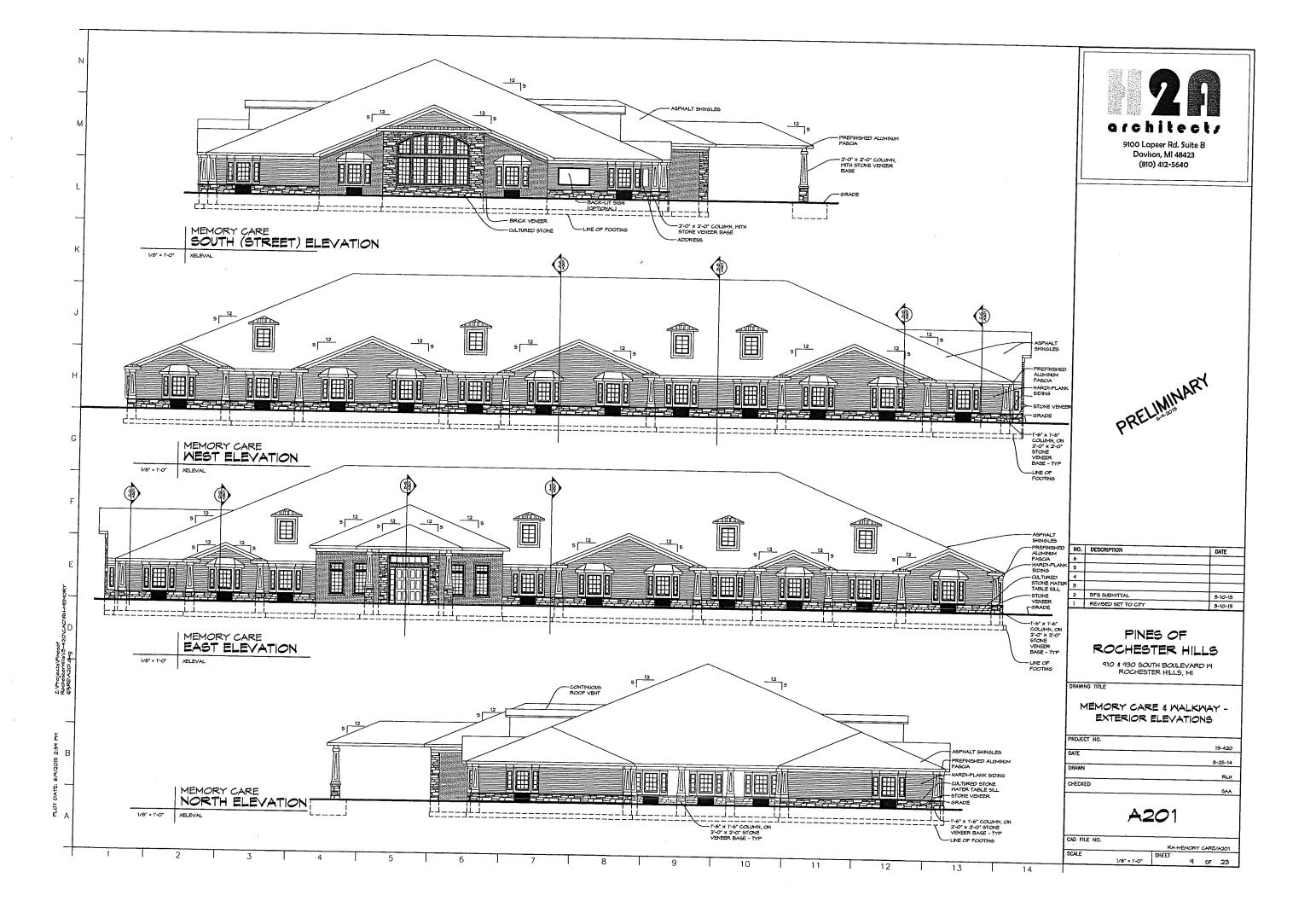
PROJECT NO. DATE DRAWN: DATE REVISED: IS-BUILT DATE:

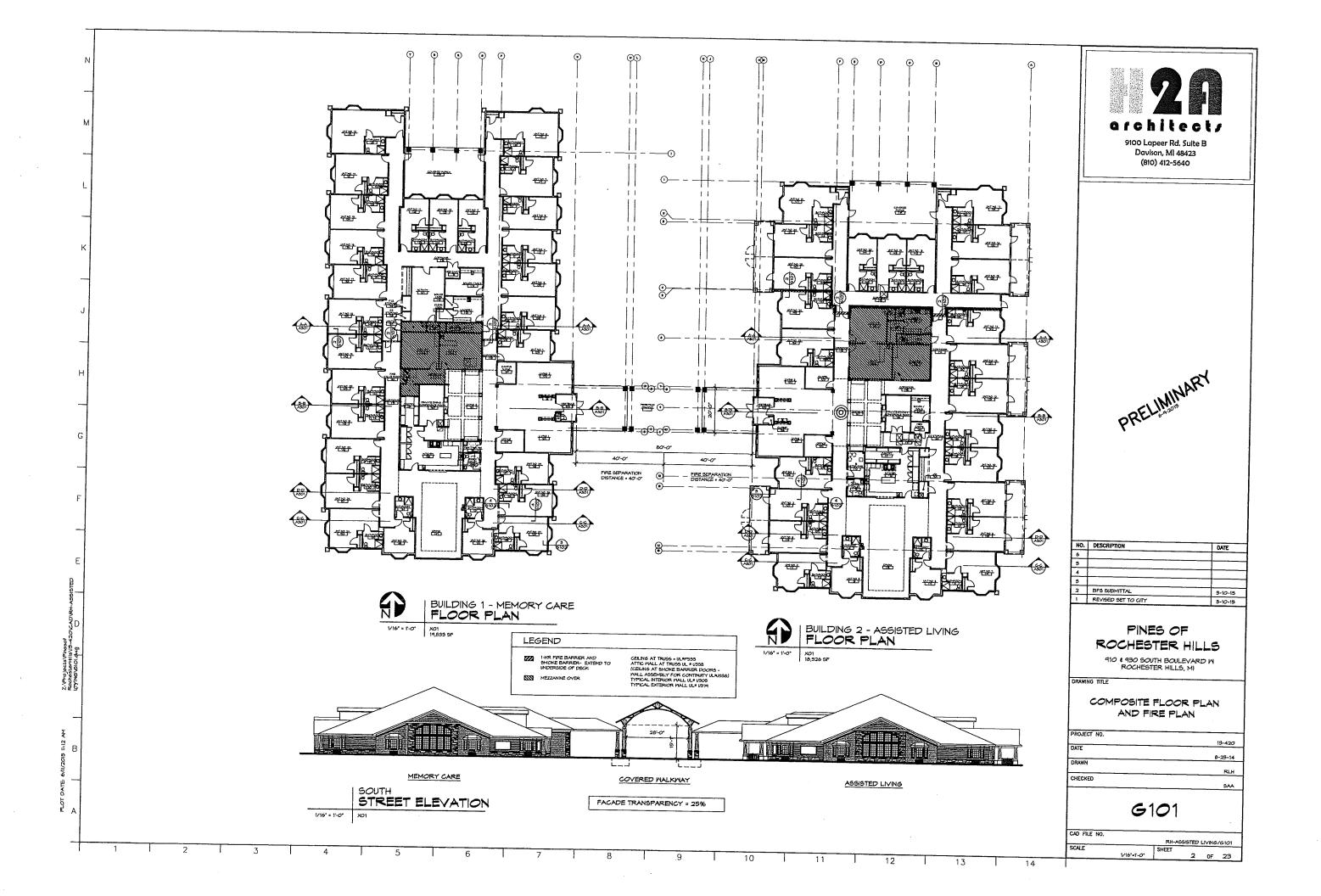
SHEET NUMBER

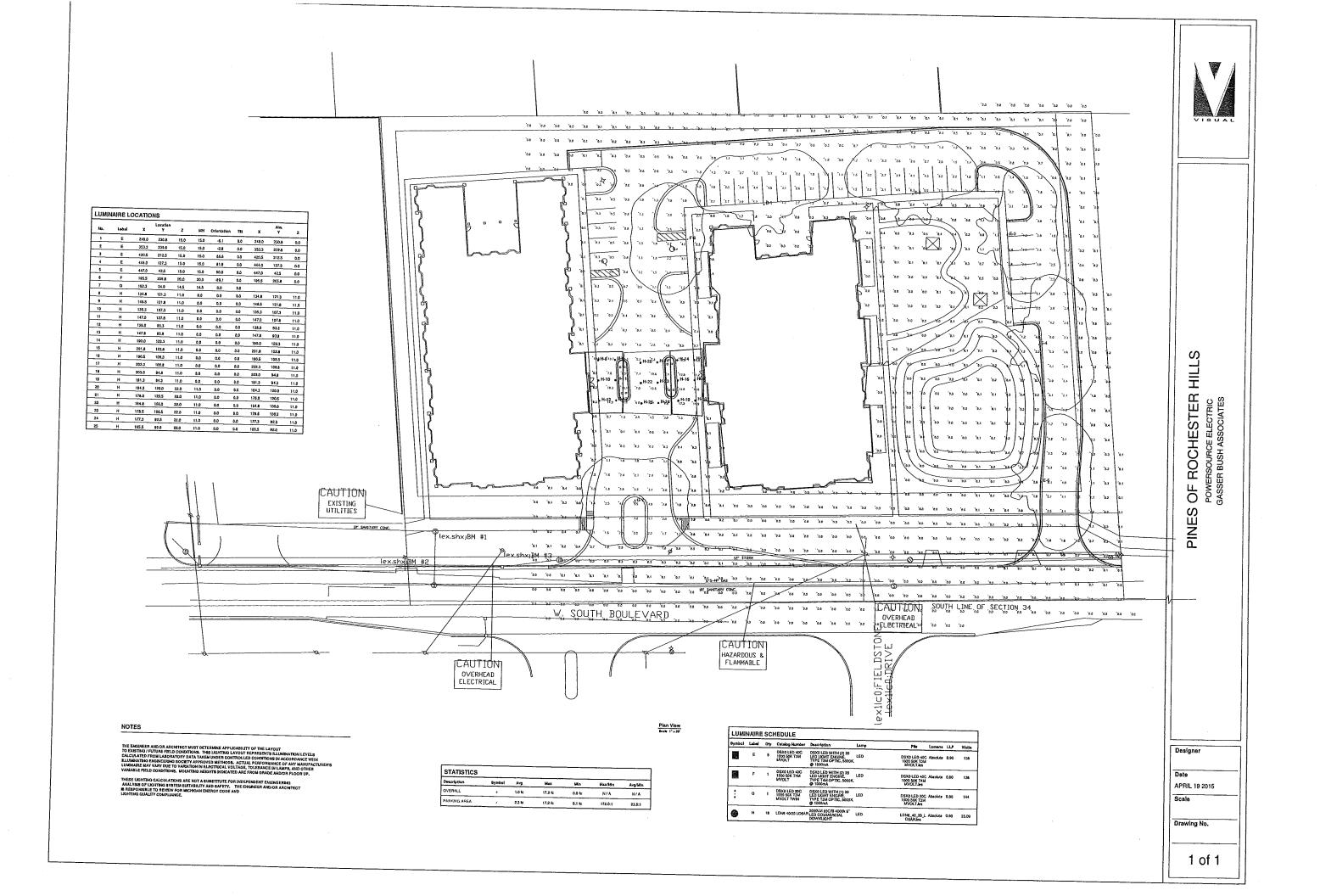


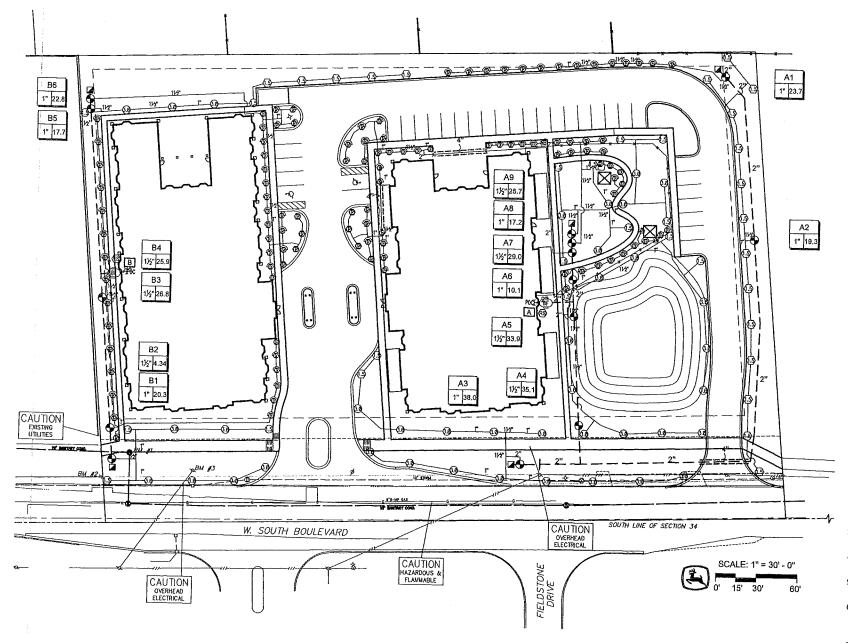




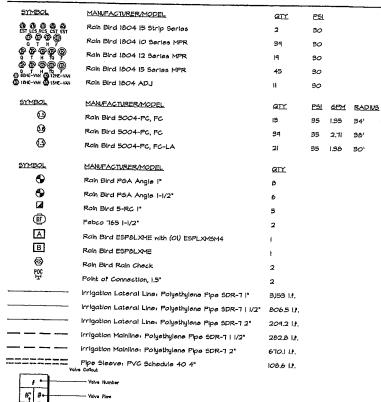








IRRIGATION SCHEDULE



IRRIGATION SPECIFICATIONS

- 1. IRRIGATION SYSTEM DESIGN BASED ON 37 GPM AT 50 PSI.
- IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION(POC)ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE(GPM)AND POUNDS PER SQUARE INCH(PSI)FURNISHED BY OTHERS.
- 3. IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED ON THE LEGEND PRIOR TO INSTALLATION.
- 4. THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
- 5. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
- 6. IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED. ALL WIRING TO BE PER LOCAL CODE. BACKFLOW PREVENTION TO BE PER LOCAL CODE.
- LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWING IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY
 AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
- 8. ALL SPRINKLER HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISH GRADES, EXCEPT AS OTHERWISE INDICATED.
- INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH MINIMUM 12" OF COVER BASED ON FINISH GRADES.
- 10. PIPE LOCATIONS ARE DIAGRAMMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
- 11. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
- ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
- 13. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
- 14. THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET(AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC...). JOHN DEERE LANDSCAPES BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION SUPPLIED TO JOHN DEERE LANDSCAPES IN RELATION TO THIS PROJECT, UNLESS OTHERWISE NOTED.

PROPOSED IRRIGATION LOCATIONS WITHIN THE SOUTH BOUELVARD RIGHT OF WAY REQUIRES A RCOC RIGHT-OF-WAY USE PERMIT. IRRIGATION SPRAY SHALL NOT BROADCAST ONTO THE ROADWAY OR PATHWAY

JOHN DEERE ANDSCAPES



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PINES AT ROCHESTER
ROCHESTER, MI

Customer Name:

Design Date: 08/18/14

 REVISIONS

 Description
 Date

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 06/23/14

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 06/24/14

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 08/05/14

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 03/05/15

03/10/15

J. Lovell

Drawing Title:

Drawing Scale: 1°=30

Project Services Number: 58862

Sheet Number:

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