

THE RIDGE TOWNHOMES

PHASE 1 - SUBDIVISION APPLICATION



LOCATION MAP



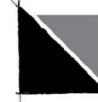
PREPARED FOR:

LEWIS HOMES, INC
 JOHN LEWIS
 5577 EAST ELKHORN DRIVE
 EDEN, UTAH 84310
 801.430.1507



CONSULTANTS:

LANDSCAPE ARCHITECT:
LANGVARDT DESIGN GROUP
 1525 WESTMORELAND DRIVE
 SALT LAKE CITY, UTAH 84105
 801.583.1295



ARCHITECT:
BERTOLDI ARCHITECTS
 RAY BERTOLDI
 2726 HARRISON BLVD.
 OGDEN, UTAH 84403
 801.476.4330



ENGINEER:
GARDNER ENGINEERING
 TYLER NIELSEN
 5150 SOUTH, 375 EAST
 OGDEN, UTAH 84405
 801.476.0202



PROJECT MANAGEMENT:
THE HOUSEHOLDER GROUP
 ERIC HOUSEHOLDER
 2850 NORTH NORDIC VALLEY DRIVE
 EDEN, UTAH 84310
 801.389.0040

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THE RIDGE TOWNHOMES

WEBER COUNTY, UT



Phase One
 Subdivision Application
 WEBER COUNTY, UT

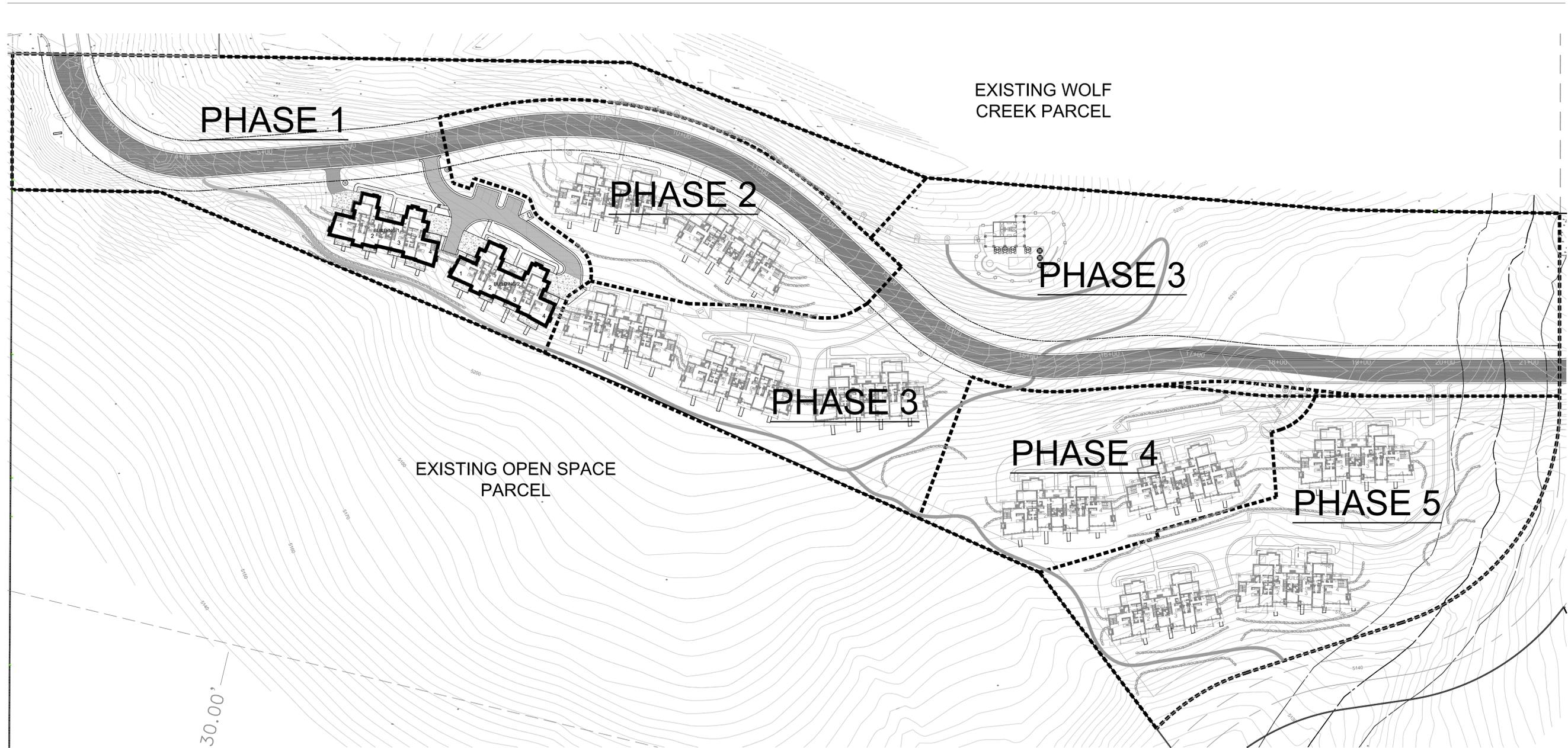


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| DATE: | FEBRUARY 2014 |
| PROJECT: | |
| DRAWN BY: | MP |
| REVIEW BY: | EL |
| VERSION: | SUBDIVISION APP. |
| REVISIONS: | |

SHEET TITLE:
 COVER SHEET

SHEET NUMBER:

C1.1



EXISTING WOLF CREEK PARCEL

PHASE 1

PHASE 2

PHASE 3

PHASE 3

PHASE 4

PHASE 5

EXISTING OPEN SPACE PARCEL

30.00'

PHASING NOTE:

1. PHASE BOUNDARIES ARE APPROXIMATE AND MAY BE ADJUSTED PER MARKET CONDITIONS OR INFRASTRUCTURE FEASIBILITY. ALL PHASE OF DEVELOPMENT WILL BE CONSTRUCTED TO PROVIDE MINIMUM STANDARDS FOR FIRE SAFETY AND INFRASTRUCTURE REQUIREMENTS.

PHASE DATA:

- PHASE 1: 8 UNITS / 21 PARKING STALLS
- PHASE 2: 8 UNITS / 28 PARKING STALLS
- PHASE 3: 12 UNITS / 29 PARKING STALLS & POOL/SPA FACILITY
- PHASE 4: 8 UNITS / 21 PARKING STALLS
- PHASE 5: 12 UNITS / 31 PARKING STALLS

DEVELOPMENT DATA:

- PROJECT AREA: 16.03 ACRES
- PROPOSED USES: 48 TOWNHOME UNITS (12 - 4 PLEX UNITS)
500 S.F. POOL HOUSE W/ POOL, SPA AND POOL DECK
- PARKING: 130 TOTAL
 - 48 GARAGE STALL
 - 48 DRIVEWAY SPACES
 - 34 GUEST/POOL SURFACE STALLS
- OPEN SPACE: 10.11 AC. (63.10%)

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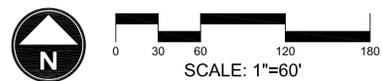


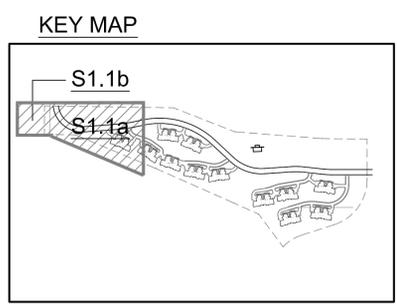
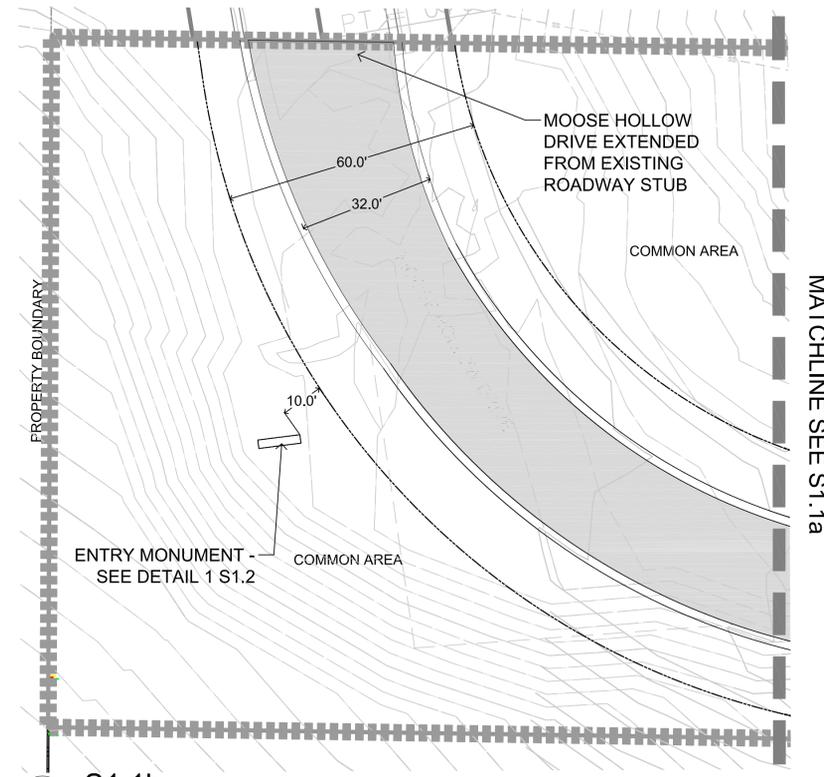
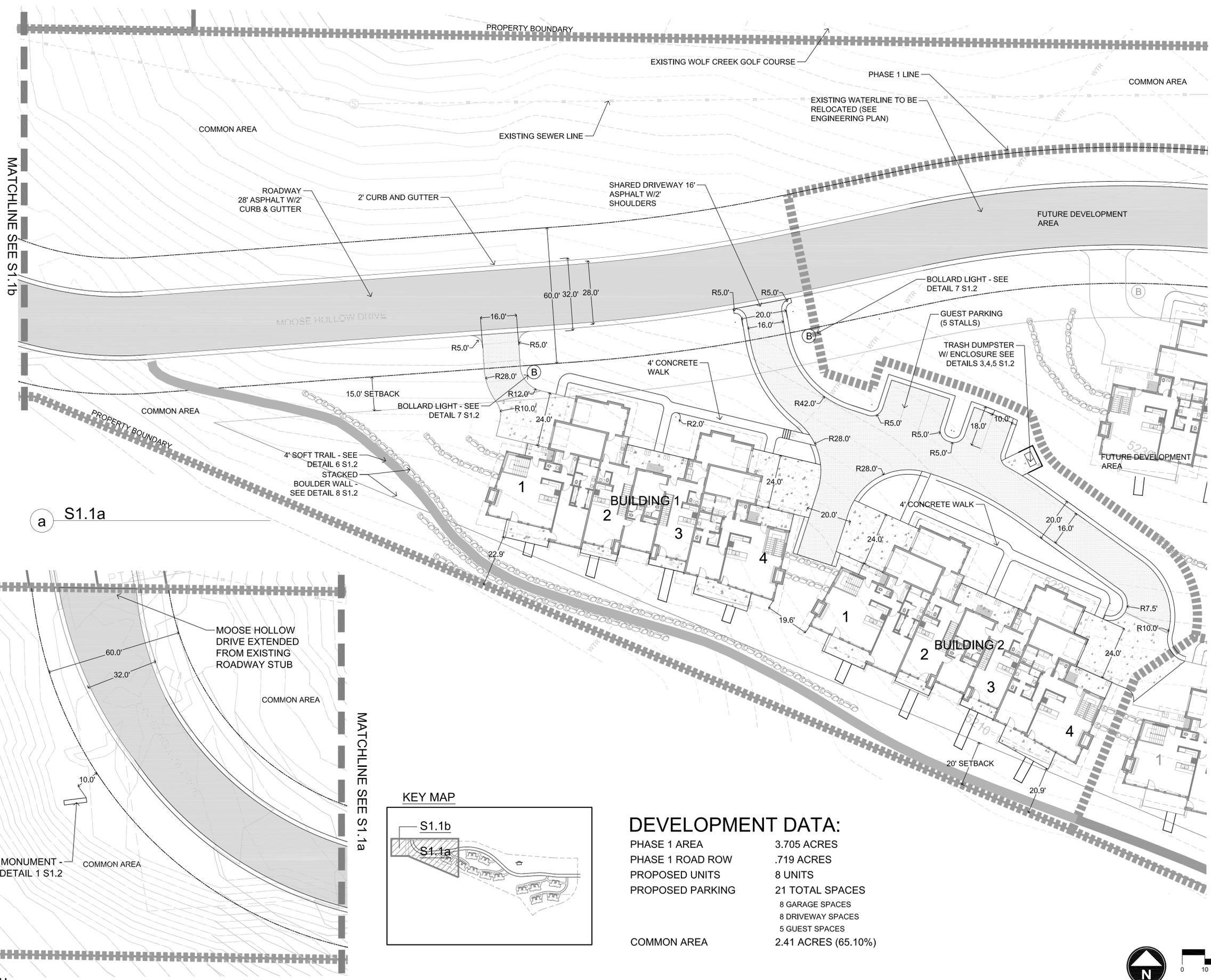
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| PROJECT: | .028 |
| DRAWN BY: | MP |
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SHEET TITLE:
OVERALL PHASING PLAN

SHEET NUMBER:

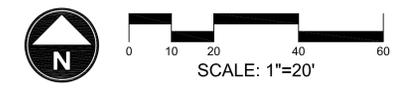
P1.0





DEVELOPMENT DATA:

| | |
|------------------|---------------------|
| PHASE 1 AREA | 3.705 ACRES |
| PHASE 1 ROAD ROW | .719 ACRES |
| PROPOSED UNITS | 8 UNITS |
| PROPOSED PARKING | 21 TOTAL SPACES |
| | 8 GARAGE SPACES |
| | 8 DRIVEWAY SPACES |
| | 5 GUEST SPACES |
| COMMON AREA | 2.41 ACRES (65.10%) |



THE RIDGE TOWNHOMES

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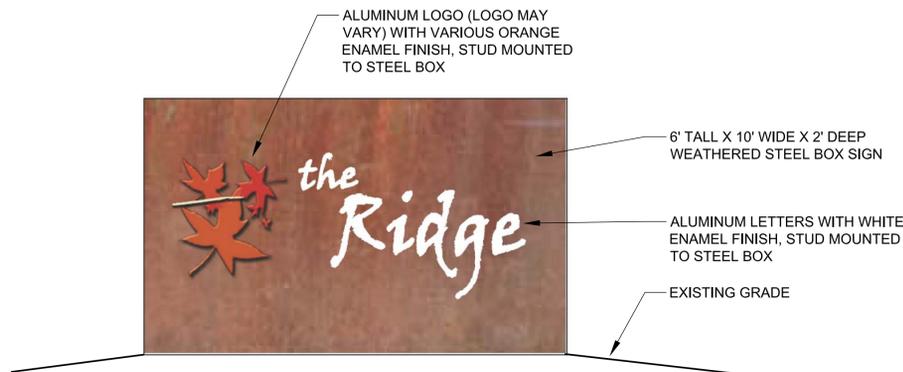
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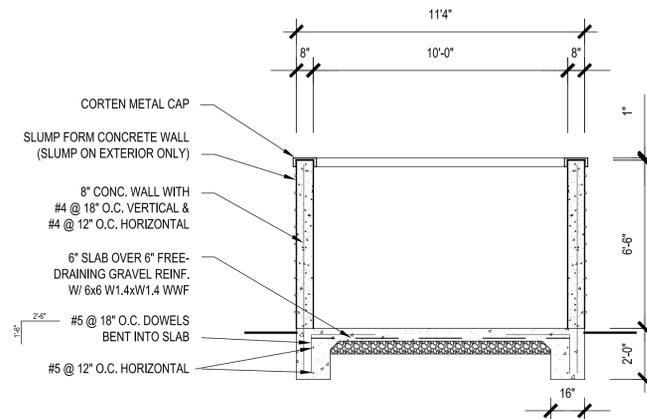
SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S1.1

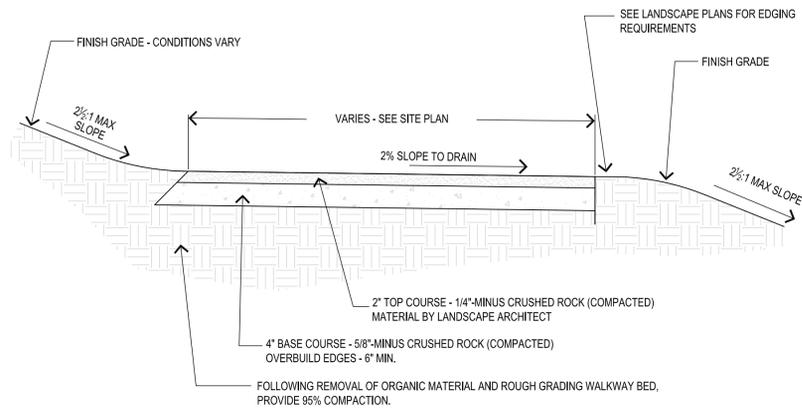


NOTE: MONUMENT SIGN SHALL BE ILLUMINATED WITH LANDSCAPE LIGHTING THAT MEETS ALL REQUIREMENTS OF CHAPTER 39 OF THE WEBER COUNTY CODE FOR OGDEN VALLEY LIGHTING

1 MONUMENT SIGN

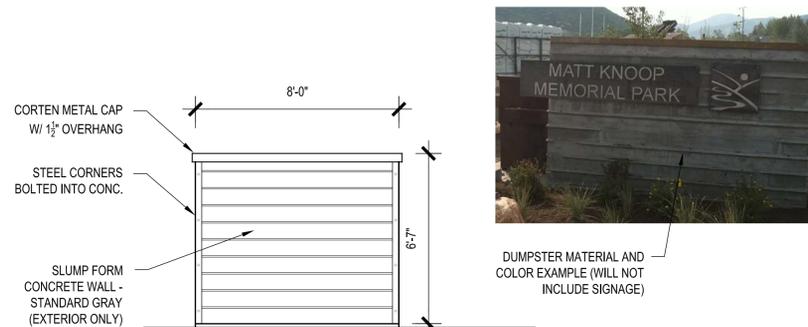


4 TRASH DUMPSTER - SECTION 1

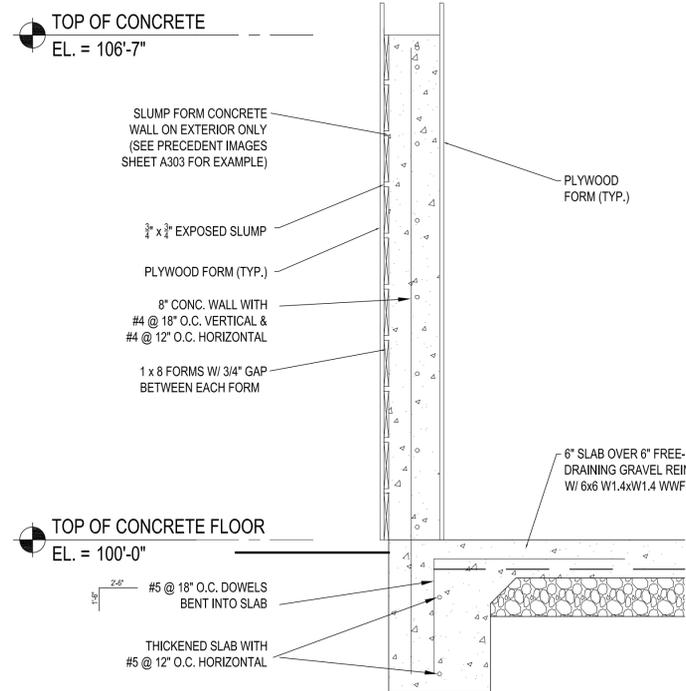


1. FINISHING GRADE OF PATH WILL BE FLUSH OR SLIGHTLY ELEVATED/CROWNED ABOVE ADJACENT SURFACES. ESTABLISH DESIGN CROSS-SLOPE IN SUBGRADE MATERIALS, SLOPE OR CROWN AS DIRECTED.
2. IMPORT CRUSHED ROCK FOLLOWING LANDSCAPE ARCHITECT'S APPROVAL OF PREPARED BED. TAPER EDGES AT A 45° ANGLE INTO THE SUBGRADE. TOP COURSE FLUSH WITH FINISH GRADE. WHERE DESIRED, PROVIDE COMPLETE MECHANICAL COMPACTION. WHERE THIS IS IMPRACTICAL OR IMPOSSIBLE, COMPACT BY HAND WITH AN APPROPRIATELY WEIGHTED IMPLEMENT.

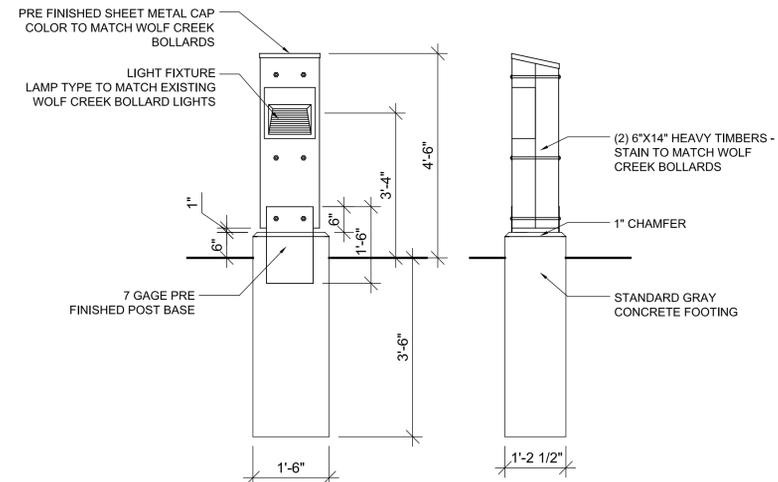
6 SOFT TRAIL/PATH



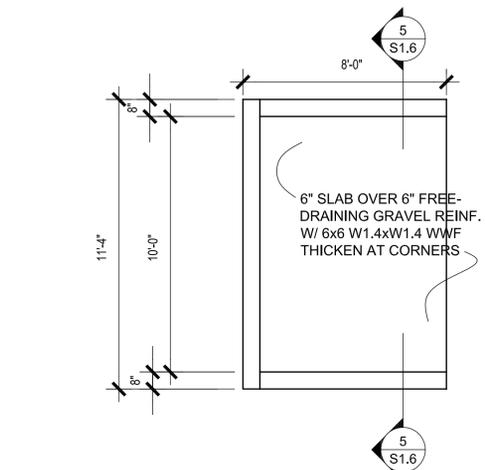
2 TRASH DUMPSTER - SIDE ELEVATION



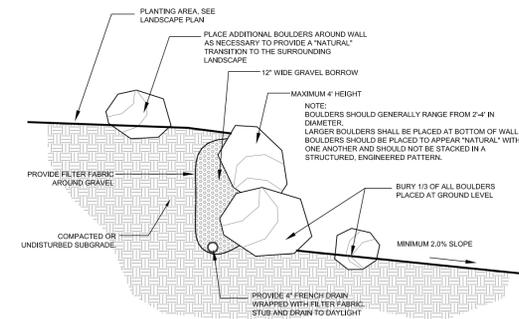
5 TRASH DUMPSTER - SLUMP FORM FRAMING DETAIL



7 BOLLARD LIGHT



3 TRASH DUMPSTER - PLAN VIEW



8 BOULDER RETAINING WALL

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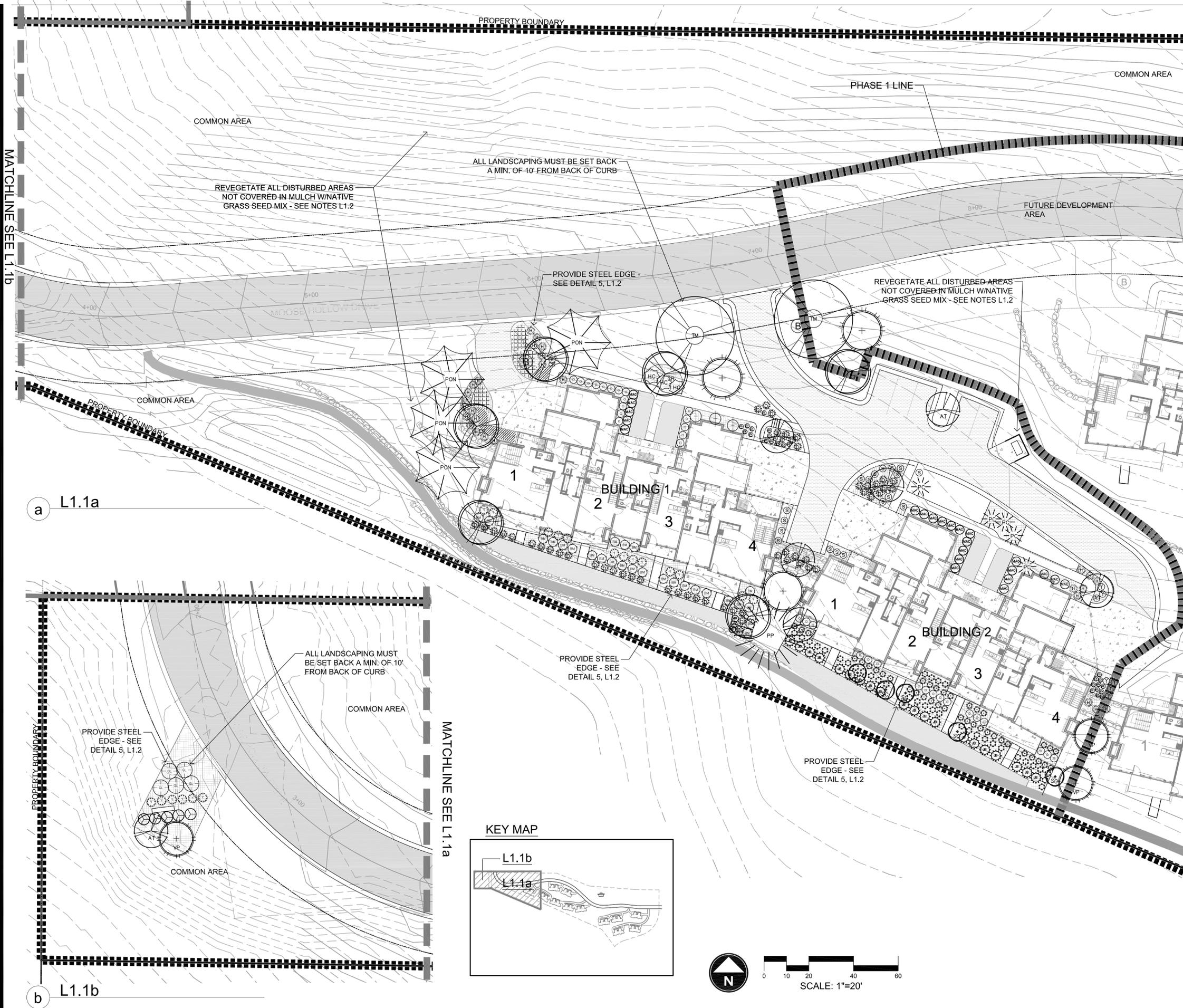


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SHEET TITLE:
SITE
DETAILS

SHEET NUMBER:

S1.2



Plant Schedule

| SYMBOL | BOTANICAL/COMMON NAME |
|----------------------------------|--|
| EVERGREEN TREES | |
| | <i>Abies lasiocarpa</i> Sub-Alpine Fir |
| | <i>Picea abies</i> 'Cupressina' Columnar Norway Spruce |
| | <i>Picea pungens</i> Colorado Spruce |
| | <i>Pinus flexilis glauca</i> 'Vanderwolf's Pyramid' Vanderwolf Limber Pine |
| | <i>Pinus ponderosa</i> Ponderosa Pine |
| DECIDUOUS TREES | |
| | <i>Acer tartarian</i> 'GarAnn' Hot Wings Tartarian |
| | <i>Populus tremula</i> 'erecta' Swedish Columnar Swedish Columnar Aspen |
| | <i>Sorbus aucuparia</i> 'Cardinal Royal' Cardinal Royal Mtn. Ash |
| | <i>Tilia mongolica</i> 'Harvest Gold' Harvest Gold Mongolian Linden |
| EVERGREEN SHRUBS | |
| | <i>Buxus x 'Green Velvet'</i> Green Velvet Boxwood |
| | <i>Juniperus horizontalis</i> 'Bar Harbor' Bar Harbor Juniper |
| | <i>Mahonia aquifolium</i> 'compacta' Compact Oregon Grape |
| | <i>Pinus sylvestris</i> 'Hillside Creeper' Hillside Creeper Scotch Pine |
| | <i>Yucca filamentosa</i> Yucca |
| LARGE SHRUBS 7-9' SPREAD | |
| | <i>Rhus aromatica</i> 'Grow Low' Grow Low Sumac |
| MEDIUM SHRUBS 5-7' SPREAD | |
| | <i>Cornus sericea</i> 'Alleman's Compact' Alleman's Red Osier Dogwood |
| | <i>Physocarpus opulifolius</i> 'Dart's Gold' Ninebark |
| SMALL SHRUBS 2-5' SPREAD | |
| | <i>Caryopteris x clandonensis</i> 'Blue Mist' Blue Mist Spirea |
| PERENNIALS | |
| | <i>Achillea filipendulina</i> Yellow Yarrow |
| | <i>Echinacea purpurea</i> Purple Coneflower |
| | <i>Leucanthemum x compact</i> 'Snow Lady' Shasta Dwarf Daisy |
| | <i>Perovskia atriplicifolia</i> Common Russian Sage |
| | <i>Rudbeckia fulgida</i> 'Goldstrum' Black Eyed Susan |
| GRASSES | |
| | <i>Bouteloua gracilis</i> 'Blonde Ambition' Blonde Ambition Blue Gramma Grass |
| | <i>Panicum virgatum</i> 'Heavy Metal' Heavy Metal Switch Grass |
| | <i>Pennisetum alopecuroides</i> Hamel Fountain Grass |
| GROUNDCOVERS | |
| | <i>Mahonia repens</i> Creeping Oregon Grape |
| | Turf |
| MATERIALS | |
| | Shredded Bark Mulch As Approved by Landscape Architect |

THE RIDGE TOWNHOMES
 WEBER COUNTY, UT

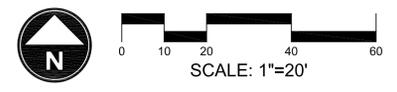
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WEBER COUNTY, UT



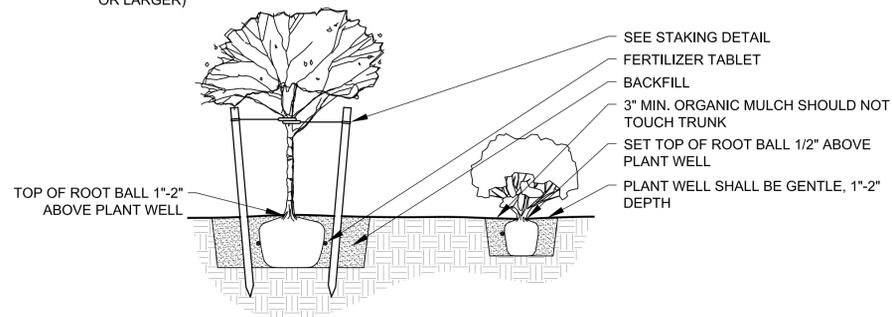
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SHEET TITLE:
LANDSCAPE PLAN

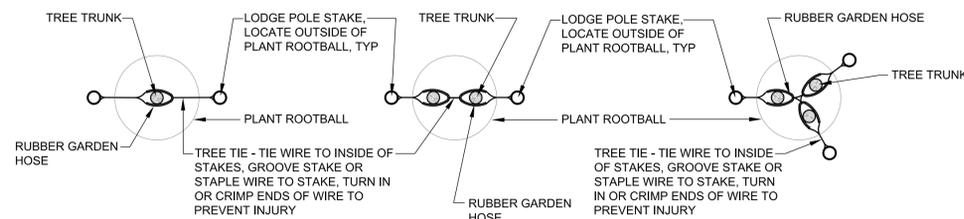
SHEET NUMBER:
L1.1



BACKFILL:
ONE PART MULCH TO THREE PARTS NATIVE SOIL.
PLANTING PIT SIZES:
1 GAL. OR 5 GAL. - 2X WIDTH OF ROOT BALL, DEPTH = ROOT BALL + 6"
15 GAL. OR LARGER - 3X WIDTH OF ROOT BALL, DEPTH = ROOT BALL + 12"
FERTILIZER TABLETS (21 GRAM AGRIFORM TABLETS)
1 PER 1 GAL., 3 PER 5 GAL., 5 PER 15 GAL., 1 PER 3" OF BOX SIZE (24" BOX OR LARGER)

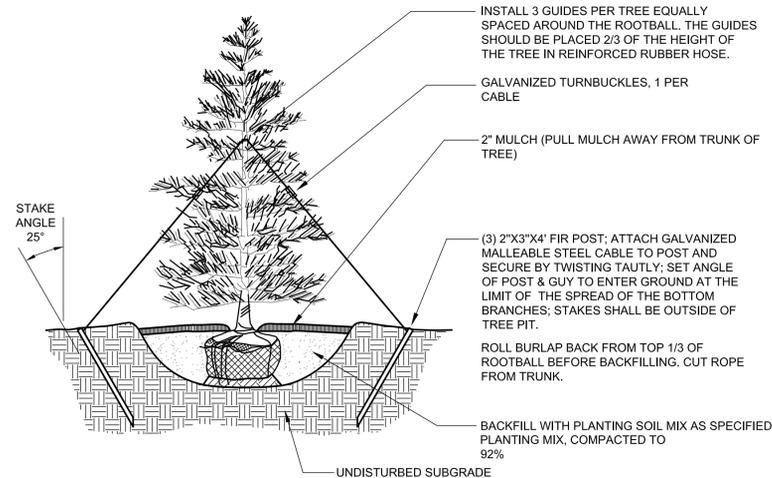


1 DECIDUOUS TREE AND SHRUB PLANTING



TREE STAKING PLAN - STANDARD TREE STAKING PLAN - MULTIPLE TREE STAKING PLAN - MULTIPLE

2 DECIDUOUS TREE STAKING

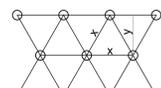


3 EVERGREEN TREE PLANTING AND STAKING

NOTE:
ALL GROUNDCOVERS TO BE PLANTED ON CENTER (SEE PLANT LEGEND) IN A TRIANGULAR PATTERN.
SPACING (X) | ROW (Y)

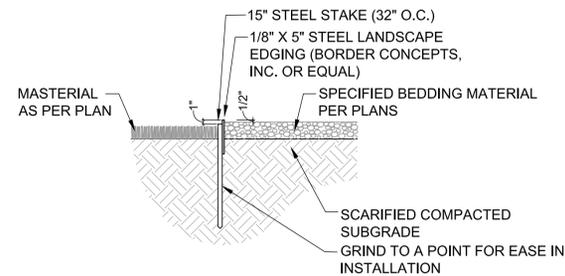
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|------------|----------|
| 3 FT. O.C. | 2.60 FT. |
| 4 FT. O.C. | 3.46 FT. |

PLANT SPACING

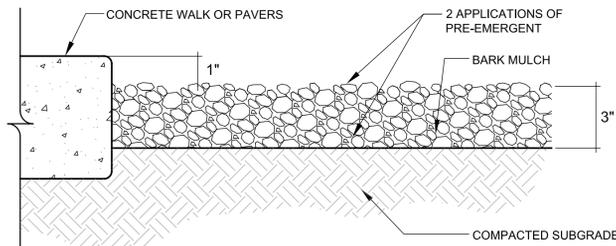


MULCH SOIL TO A DEPTH OF 2", 1" IN DIAMETER. KEEP MULCH 2" AWAY FROM PLANT BASE
PREPARE SOIL PER SPECIFICATIONS AND ROTOTILL TO A DEPTH OF 6" PRIOR TO ANY SPRINKLER WORK
BACKFILL WITH NATIVE SOIL. APPLY FERTILIZER TO SURFACE AWAY FROM TRUNK PER SPECIFICATIONS

4 GROUNDCOVER SPACING



5 STEEL LANDSCAPE EDGING



6 LANDSCAPE MULCH

NOTES:
1. SIZE AND COLOR OF MULCH IS SHOWN ON THE SITE PLAN AND LANDSCAPE PLAN.
2. PRE-EMERGENT SHALL BE APPLIED TO FINISH GRADE BEFORE INSTALLATION OF MULCH.
3. FINAL APPLICATION OF PRE-EMERGENT SHALL BE APPLIED TO FINISH GRADE AFTER INSTALLATION OF MULCH IS RAKED SMOOTH AND UNIFORM.

GENERAL LANDSCAPE NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING AND PROPOSED UTILITIES, AND ALL SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE PROJECT MANAGER AND ALL OTHER CONTRACTORS WORKING ON THE SITE.
2. THE FINISH GRADE OF ALL PLANTING AREAS SHALL BE SMOOTH, EVEN AND CONSISTENT, FREE OF ANY HUMPS, DEPRESSIONS OR OTHER GRADING IRREGULARITIES. THE FINISH GRADE OF ALL LANDSCAPE AREAS SHALL BE GRADED CONSISTENTLY 3/4" BELOW THE TOP OF ALL SURROUNDING WALKS, CURBS, ETC.
3. THE CONTRACTOR SHALL STAKE THE LOCATION OF ALL PLANTS FOR APPROVAL PRIOR TO PLANTING. TREES SHALL BE LOCATED EQUIDISTANT FROM ALL SURROUNDING PLANT MATERIAL. SHRUBS AND GROUND COVERS SHALL BE TRIANGULAR AND EQUALLY SPACED.
4. THE PLANT MATERIALS LIST IS PROVIDED AS AN INDICATION OF THE SPECIFIC REQUIREMENTS OF THE PLANTS SPECIFIED, WHEREVER IN CONFLICT WITH THE PLANTING PLAN, THE PLANTING PLAN SHALL GOVERN.
5. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED FOR THE PROPER COMPLETION OF ALL LANDSCAPE WORK AS SPECIFIED AND SHOWN ON THE DRAWINGS.
6. ALL PLANT MATERIALS SHALL BE APPROVED PRIOR TO PLANTING. THE OWNER/LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT ANY AND ALL PLANT MATERIAL NOT CONFORMING TO THE SPECIFICATIONS. THE OWNER/LANDSCAPE ARCHITECT'S DECISION WILL BE FINAL.
7. THE CONTRACTOR SHALL KEEP THE PREMISES, STORAGE AREAS AND PAVING AREAS NEAT AND ORDERLY AT ALL TIMES. REMOVE TRASH, SWEEP, CLEAN, HOSE, ETC. DAILY.
8. THE CONTRACTOR SHALL PLANT ALL PLANTS PER THE PLANTING DETAILS, STAKE/GUY AS SHOWN. TOP OF ROOT BALLS SHALL BE PLANTED FLUSH WITH FINISH GRADE.
9. THE CONTRACTOR SHALL NOT IMPEDE DRAINAGE IN ANY WAY. THE CONTRACTOR SHALL ALWAYS MAINTAIN POSITIVE DRAINAGE AWAY FROM THE BUILDING, WALLS, ETC.
10. THE CONTRACTOR SHALL MAINTAIN ALL WORK UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER. UPON COMPLETION OF LANDSCAPE WORK AN INSPECTION FOR ACCEPTANCE OF THE WORK SHALL BE HELD. THE CONTRACTOR SHALL NOTIFY THE OWNER/LANDSCAPE ARCHITECT FOR SCHEDULING OF INSPECTION AT LEAST SEVEN (7) DAYS IN ADVANCE.
11. THE CONTRACTOR SHALL MAINTAIN AND GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. REPLACEMENT PLANTS SHALL BE GUARANTEED FOR AN ADDITIONAL 90 DAYS. MAINTENANCE SHALL INCLUDE MOWING, WEEDING, FERTILIZING, CLEANING, INSECTICIDES, HERBICIDES, ETC.
12. NATIVE GRASS SEEDING AREAS TO BE A MIXTURE OF:
40% BIG HORN BLUE HARD FESCUE
40% DEFIANT HARD FESCUE
20% JAMESTOWN 4 CHEWINGS FESCUE
SEEDING RATE: 35 LBS PLS/ACRE
13. ALL DISTURBED AREAS OUTSIDE MULCHED LANDSCAPE BEDS ARE TO BE SEEDING WITH NATIVE GRASS MIXTURE.
14. ALL LANDSCAPE BEDS TO BE MULCHED WITH A MINIMUM 3" SHREDDED BARK MULCH.

IRRIGATION NOTE:

1. ALL PLANT MATERIALS SHOWN ON THE DRAWING SHALL BE SERVICED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. ALL SHRUB BED AREAS, INCLUDING TREES SHALL BE IRRIGATED WITH A LOW PRESSURE DRIP IRRIGATION SYSTEM. ALL GRASS AREAS, EITHER NATIVE OR MANICURED SHALL BE IRRIGATED WITH A BROADCAST IRRIGATION SYSTEM.
2. THE CONTRACTOR IS TO HAVE A QUALIFIED IRRIGATION SYSTEM SPECIALIST PREPARE A DESIGN FOR AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM AND SUBMIT DRAWINGS TO THE ENGINEER FOR APPROVAL AT LEAST 30 DAYS PRIOR TO THE SYSTEM INSTALLATION.
3. UNDERGROUND IRRIGATION SYSTEM DRAWINGS SHALL BE PREPARED ON 24"X 36" SHEETS, NEATLY DRAWN AND VERY LEGIBLE. DRAWINGS ARE TO INCLUDE HEAD SPACING, TYPES OF HEADS, PIPING WITH SIZES, VALVES, FITTINGS AND ALL OTHER ITEMS REQUIRED FOR PROPER INSTALLATION OF THE SYSTEM.
4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL IRRIGATION SLEEVES PRIOR TO PLACEMENT OF HARD IMPROVEMENTS, COORDINATE WITH THE GENERAL CONTRACTOR.
5. THE UTILITY CONTRACTOR IS TO PROVIDE AN IRRIGATION SYSTEM CONNECTION TO EITHER THE CULINARY OR SECONDARY WATER LINE WITH A BACK FLOW PREVENTION DEVICE, AS APPLICABLE, WITHIN STATE AND LOCAL JURISDICTIONAL CODES. THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE THIS ITEM WITH THE UTILITY CONTRACTOR. IF SECONDARY WATER IS USED, THE SYSTEM SHALL BE FILTERED WITH A CLEANABLE FILTER SYSTEM.
6. THE IRRIGATION CONTROL BOX SHALL BE LOCATED AT THE DIRECTION OF THE PROJECT MANAGER/OWNER.

Plant Schedule

| QUANTITY | SYMBOL | BOTANICAL/COMMON NAME | | |
|----------------------------------|----------|---|-----------|-------------|
| EVERGREEN TREES | | | | |
| 3 | (Symbol) | Abies lasiocarpa Sub-Alpine Fir | 6-8' Hgt. | 50'x18' |
| 5 | (Symbol) | Picea abies 'Cupressina' Columnar Columnar Norway Spruce | 6-8' Hgt. | 15-20' x 8' |
| 1 | (Symbol) | Picea pungens Colorado Spruce | 6-8' Hgt. | 50'x30' |
| 3 | (Symbol) | Pinus flexilis glauca 'Vanderwolf's Pyramid' Vanderwolf Limber Pine | 6-8' Hgt. | 25'x15' |
| 4 | (Symbol) | Pinus ponderosa Ponderosa Pine | 6-8' Hgt. | 50'x40' |
| DECIDUOUS TREES | | | | |
| 7 | (Symbol) | Acer tartarian 'GarAnn' Hot Wings Tartarian | 2" CAL. | 20'x15' |
| 5 | (Symbol) | Populus tremula 'erecta' Swedish Columnar Swedish Columnar Aspen | 2" CAL. | 35'x8' |
| 6 | (Symbol) | Sorbus aucuparia 'Cardinal Royal' Cardinal Royal Mtn. Ash | 2" CAL. | 35'x20' |
| 2 | (Symbol) | Tilia mongolica 'Harvest Gold' Harvest Gold Mongolian Linden | 2" CAL. | 40'x25' |
| EVERGREEN SHRUBS | | | | |
| 34 | (Symbol) | Buxus x 'Green Velvet' Green Velvet Boxwood | 5 Gal. | 4'x4' |
| 20 | (Symbol) | Juniperus horizontalis 'Bar Harbor' Bar Harbor Juniper | 5 Gal. | 12"x6' |
| 23 | (Symbol) | Mahonia aquifolium 'compacta' Compact Oregon Grape | 5 Gal. | 3'x4' |
| 3 | (Symbol) | Pinus sylvestris 'Hillside Creeper' Hillside Creeper Scotch Pine | 5 Gal. | 2'x6' |
| 19 | (Symbol) | Yucca filamentosa Yucca | 5 Gal. | 3'x4' |
| LARGE SHRUBS 7-9' SPREAD | | | | |
| 5 | (Symbol) | Rhus aromatica 'Grow Low' Grow Low Sumac | 5 Gal | 30"x7' |
| MEDIUM SHRUBS 5-7' SPREAD | | | | |
| 3 | (Symbol) | Cornus sericea 'Alleman's Compact' Alleman's Red Osier Dogwood | 5 Gal. | 5'x5' |
| 5 | (Symbol) | Physocarpus opulifolius 'Dart's Gold' Ninebark | 5 Gal. | 5'x5' |
| SMALL SHRUBS 2-5' SPREAD | | | | |
| 26 | (Symbol) | Caryopteris x clandonensis 'Blue Mist' Blue Mist Spirea | 5 Gal. | 4'x4' |
| PERENNIALS | | | | |
| 7 | (Symbol) | Achillea filipendulina Yellow Yarrow | 1 Gal. | 4'x3' |
| 26 | (Symbol) | Echinacea purpurea Purple Coneflower | 1 Gal. | 30"x24" |
| 105 | (Symbol) | Leucanthemum x compact 'Snow Lady' Shasta Dwarf Daisy | 1 Gal. | 12"x12" |
| 18 | (Symbol) | Perovskia atriplicifolia Common Russian Sage | 1 Gal. | 3.5'x3' |
| 34 | (Symbol) | Rudbeckia fulgida 'Goldstrum' Black Eyed Susan | 1 Gal. | 3'x2' |
| GRASSES | | | | |
| 53 | (Symbol) | Bouteloua gracilis 'Blonde Ambition' Blonde Ambition Blue Gramma Grass | 1 Gal. | 3'x3' |
| 29 | (Symbol) | Panicum virgatum 'Heavy Metal' Heavy Metal Switch Grass | 1 Gal. | 5'x3' |
| 39 | (Symbol) | Pennisetum alopecuroides Hamel Fountain Grass | 1 Gal. | 3'x3' |
| GROUNDCOVERS | | | | |
| 3 | (Symbol) | Mahonia repens Creeping Oregon Grape | 1 Gal. | 2'x3' |
| 2,535 S.F. | (Symbol) | Turf | | SOD |
| MATERIALS | | | | |
| 71 C.Y. | (Symbol) | Shredded Bark Mulch As Approved by Landscape Architect | | 3" Depth |

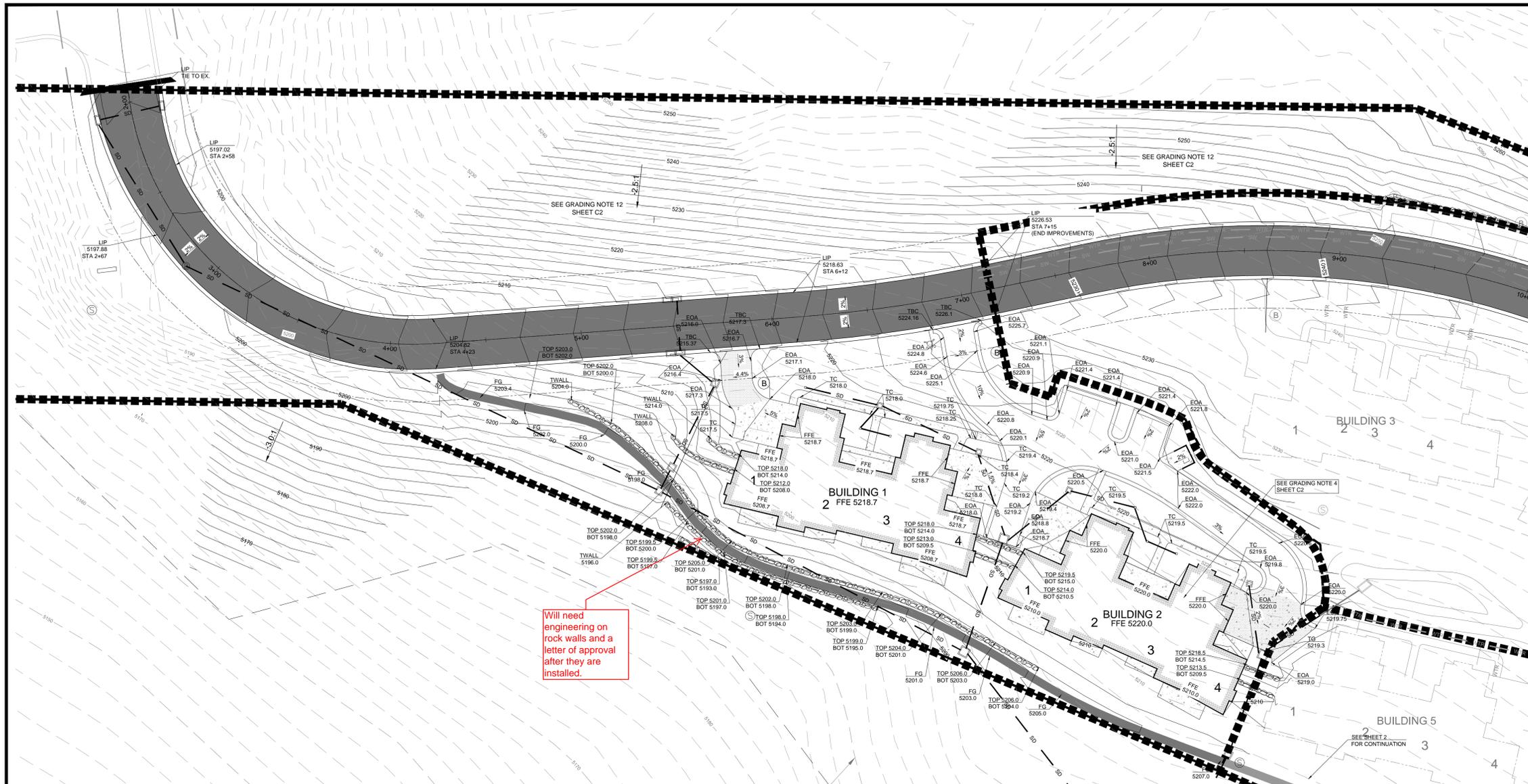
THE RIDGE TOWNHOMES
WEBER COUNTY, UT

Phase One
Subdivision Application
WEBER COUNTY, UT

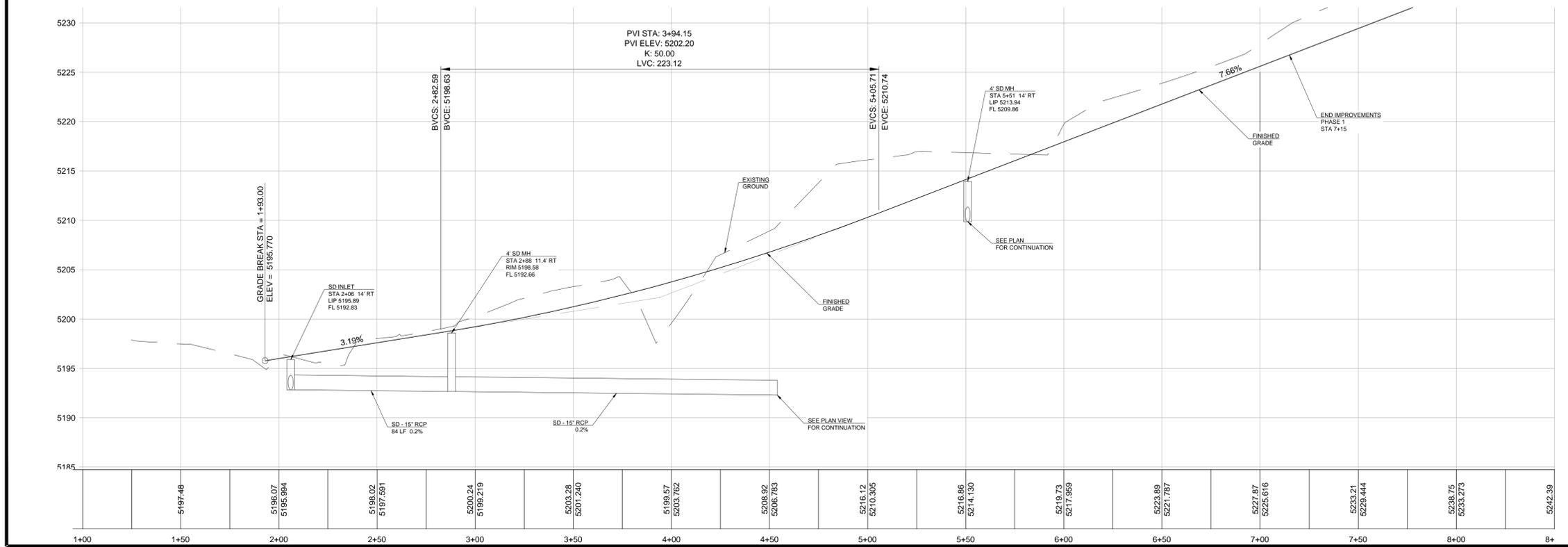


| | |
|------------|------------------|
| DATE: | FEBRUARY 2014 |
| PROJECT: | .028 |
| DRAWN BY: | MP |
| REVIEW BY: | EL |
| VERSION: | SUBDIVISION APP. |
| REVISIONS: | |

SHEET TITLE:
LANDSCAPE DETAILS
SHEET NUMBER:
L1.2



- Regular Asphalt
- Heavy Duty Asphalt
- Concrete Sidewalk
- Proposed Building



NOTICE:
 EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR THE UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.
 Call BLUE STAKES BEFORE YOU Dig
 1-800-662-4111
 UNDERGROUND SERVICE CO.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
 The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

SEE NOTES ON SHEET C2

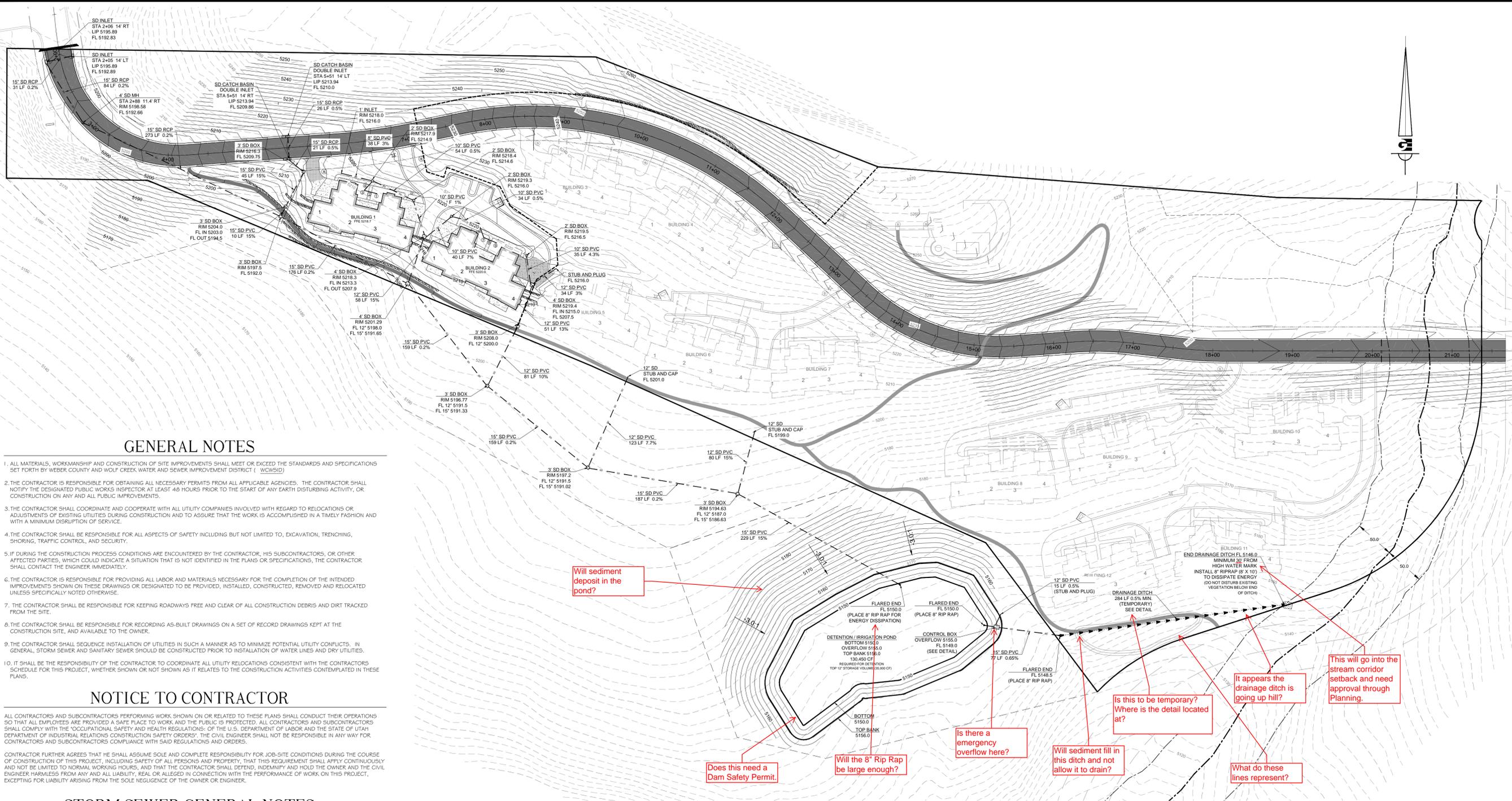
DEVELOPER:
 LEWIS HOMES
 ERIC HOUSEHOLDER
 801-389-0040

| | |
|---------|---------------|
| SCALE | 1" = 30' |
| DATE | FEBRUARY 2004 |
| DESIGN | RC |
| DRAWN | DTB |
| CHECKED | TN |



PLAN AND PROFILE
 THE RIDGE
 LEWIS HOMES
 EDEN, WEBER COUNTY, UTAH

GARDNER ENGINEERING
 CIVIL - LAND PLANNING
 MUNICIPAL - LAND SURVEYING
 5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801-476-0202 FAX: 801-476-0066



GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH BY WEBER COUNTY AND WOLF CREEK WATER AND SEWER IMPROVEMENT DISTRICT (WCVS/D).
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE DESIGNATED PUBLIC WORKS INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
3. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
5. IF DURING THE CONSTRUCTION PROCESS CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT DRAWINGS ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE OWNER.
9. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS. THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

STORM SEWER GENERAL NOTES

2. ALL STORM SEWER CONNECTIONS SHALL BE IN CONFORMANCE WITH THE WEBER COUNTY STANDARDS AND SPECIFICATIONS. STORM DRAIN PIPE 15" DIAM. AND LARGER SHALL BE RCP CLASS III. LINES 12" AND SMALLER SHALL BE PVC C900.
3. RIM ELEVATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATION. PIPELINE CONTRACTOR SHALL USE PRECAST CONCRETE ADJUSTMENT RINGS, GROUT, AND STEEL SHIMS TO ADJUST THE MANHOLE FRAME TO THE REQUIRED FINAL GRADE IN CONFORMANCE WITH THE OGDEN CITY STANDARDS AND SPECIFICATIONS AND PLANS. ALL FRAMES SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO PLACEMENT OF ASPHALT PAVING.
4. COMPACTION OF ALL TRENCHES WITHIN THE PROJECT SITE MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED PRIOR TO FINAL ACCEPTANCE.
5. ALL STORM DRAIN PIPES IN THE CITY RIGHT-OF-WAY SHALL BE RCP CL III.
6. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING LIDS. ALL STORM SEWER LIDS SHALL BE LABELED "STORM DRAIN".
7. WHERE CONNECTION TO EXISTING UTILITY IS PROPOSED, CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION AND NOTIFY OWNER/ENGINEER IF LOCATION AND ELEVATION OF EXISTING UTILITY VARIES FROM THE DESIGN.

SANITARY SEWER GENERAL NOTES

1. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN CONFORMANCE WITH WCVS/D STANDARDS AND SPECIFICATIONS.
2. ALL GRAVITY SANITARY SEWER LINES SHALL BE 30R-35 PVC MATERIAL. SEWER LINE CONSTRUCTION AND MATERIALS SHALL CONFORM TO ASTM STANDARDS AND SPECIFICATIONS.
3. DISTANCES SHOWN ON PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT.
4. RIM ELEVATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATION. PIPELINE CONTRACTOR SHALL USE PRECAST CONCRETE ADJUSTMENT RINGS, GROUT AND STEEL SHIMS TO ADJUST THE MANHOLE FRAME TO THE REQUIRED FINAL GRADE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS. ALL FRAMES SHALL BE ADJUSTED TO FINAL GRADE.
5. ALL SANITARY SEWER MAIN TESTING SHALL BE IN ACCORDANCE WITH THE WCVS/D STANDARDS AND SPECIFICATIONS. COPIES OF ALL TEST RESULTS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.
6. COMPACTION TESTING OF ALL TRENCHES WITH THE PROJECT SITE MUST BE ATTAINED AND RESULTS SUBMITTED PRIOR TO FINAL ACCEPTANCE.
7. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING STRUCTURES AND IMPROVEMENTS DURING INSTALLATION OF SANITARY SEWER LINE.
8. WHERE CONNECTION TO EXISTING UTILITY IS PROPOSED, CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION AND NOTIFY OWNER/ENGINEER IF LOCATION AND ELEVATION OF EXISTING UTILITY VARIES FROM THE DESIGN.

GENERAL GRADING NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE WEBER COUNTY STANDARDS AND DIRECTION FROM SOILS REPORT (GEOSTRATA 1/23/13).
2. MAXIMUM SLOPES SHALL BE 2.5:1 FOR CUT AND FILL UNLESS OTHERWISE NOTED (SEE NOTE 1.2).
3. COMPACTION REQUIREMENTS AND TESTING SHALL BE PERFORMED TO MEET THE REQUIREMENTS OF THE SOILS REPORT.
4. IN AREAS WHERE BASEMENT ELEVATIONS ARE GREATER THAN 4 FT BELOW EXISTING GROUND - FOUNDATION DRAINAGE SHALL BE INSTALLED PER THE SOILS REPORT. IT IS ASSUMED THAT FOUNDATION DRAINAGE WILL BE REQUIRED ON THE NORTH SIDE OF BUILDING 2.
5. NO FILL SHALL BE PLACED UNTIL VEGETATION HAS BEEN REMOVED AND SUB-GRADE PREPARED PER THE SOILS REPORT.
6. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
7. CONTRACTOR SHALL COMPLY WITH STORM WATER POLLUTION PREVENTION PLAN BY INSTALLING BMP'S PRIOR TO COMMENCEMENT OF EXCAVATION ACTIVITIES. CONTACT THE CITY INSPECTOR FOR INSPECTION.
8. THE CONTRACTOR SHALL CONTACT BLUE STAKES FOR LOCATION MARKING PRIOR TO COMMENCING EXCAVATION ACTIVITIES.
9. STREETS ADJACENT TO THE PROJECT SHALL BE CLEAN AT ALL TIMES.
10. CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR ALL REQUIRED INSPECTIONS.

SWPPP GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AS REQUIRED BY THE CITY AND STATE.
2. ALL STRUCTURAL EROSION MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.

WATER GENERAL NOTES

1. ALL INSTALLATION AND MATERIALS SHALL CONFORM TO WCVS/D STANDARDS AND SPECIFICATIONS AND PLANS. CULINARY WATERLINES SHALL BE DUCTILE IRON CLASS 52. ALL SECONDARY WATERLINES SHALL BE PVC C900 DR. 1.4.
2. TRUST BLOCKING IS REQUIRED AT ALL BENDS AND FITTINGS. THE RODS SHALL BE USED AT ALL BENDS AND FITTINGS WHERE THRUST BLOCKS DO NOT BEAR AGAINST UNDISTURBED SOIL.
3. ALL WATERLINES AT SEWER CROSSINGS SHALL BE LOCATED ABOVE AND HAVE AN 18-INCH VERTICAL SEPARATION FROM THE SEWER PIPE. IF THIS IS NOT PROVIDED, THE WATERLINE SHALL BE INSTALLED WITH 20 L.F. OF CASING CENTERED OVER THE SEWER PIPE.
4. DISINFECTATION TESTS SHALL BE PERFORMED BY THE CONTRACTOR IN COORDINATION WITH THE DISTRICT.
5. CHLORINATION OF COMPLETED WATER LINE. THE NEW WATER LINES SHALL BE DISINFECTED BY CHLORINATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL RELATED COSTS AND FEES RELATED TO THE CHLORINATION OF THE COMPLETED WATER LINE. THIS TEST SHALL BE PERFORMED PRIOR TO CONNECTION OF THE NEW WATER LINES TO THE EXISTING WATER SYSTEM. THE CONTRACTOR SHALL NOTIFY HWID AT LEAST 24 HOURS BEFORE THE CHLORINATION IS DESIRED.
6. CONTRACTOR SHALL COORDINATE CONNECTION TO THE WATER LINE WITH THE DISTRICT.
7. A MINIMUM HORIZONTAL CLEARANCE OF 10 FEET SHALL BE MAINTAINED FROM SANITARY SEWER MAINS.
8. UNLESS OTHERWISE SPECIFIED, ALL WATERLINES SHALL BE DUCTILE IRON.
9. CONTRACTOR SHALL LOCATE VALVES PRIOR TO CONNECTION WITH EXISTING SYSTEM, BUT SHALL NOT OPERATE ANY VALVE WITHOUT PERMISSION FROM THE DISTRICT.
10. ALL WATER MAINS, VALVES, FIRE HYDRANTS, SERVICES AND APPURTENANCES SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO PAVING.
11. THERE SHALL BE A WATER SUPPLY TO THE DEVELOPMENT BEFORE ANY WOOD CONSTRUCTION STARTS.
12. WATER METERS SHALL BE MARKED WITH IDENTIFICATION NUMBER AS SHOWN ON PLANS.

UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

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Call BLUE STAKES BEFORE YOU Dig
1-800-662-4111
NEEDING SERVICE (USA)

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

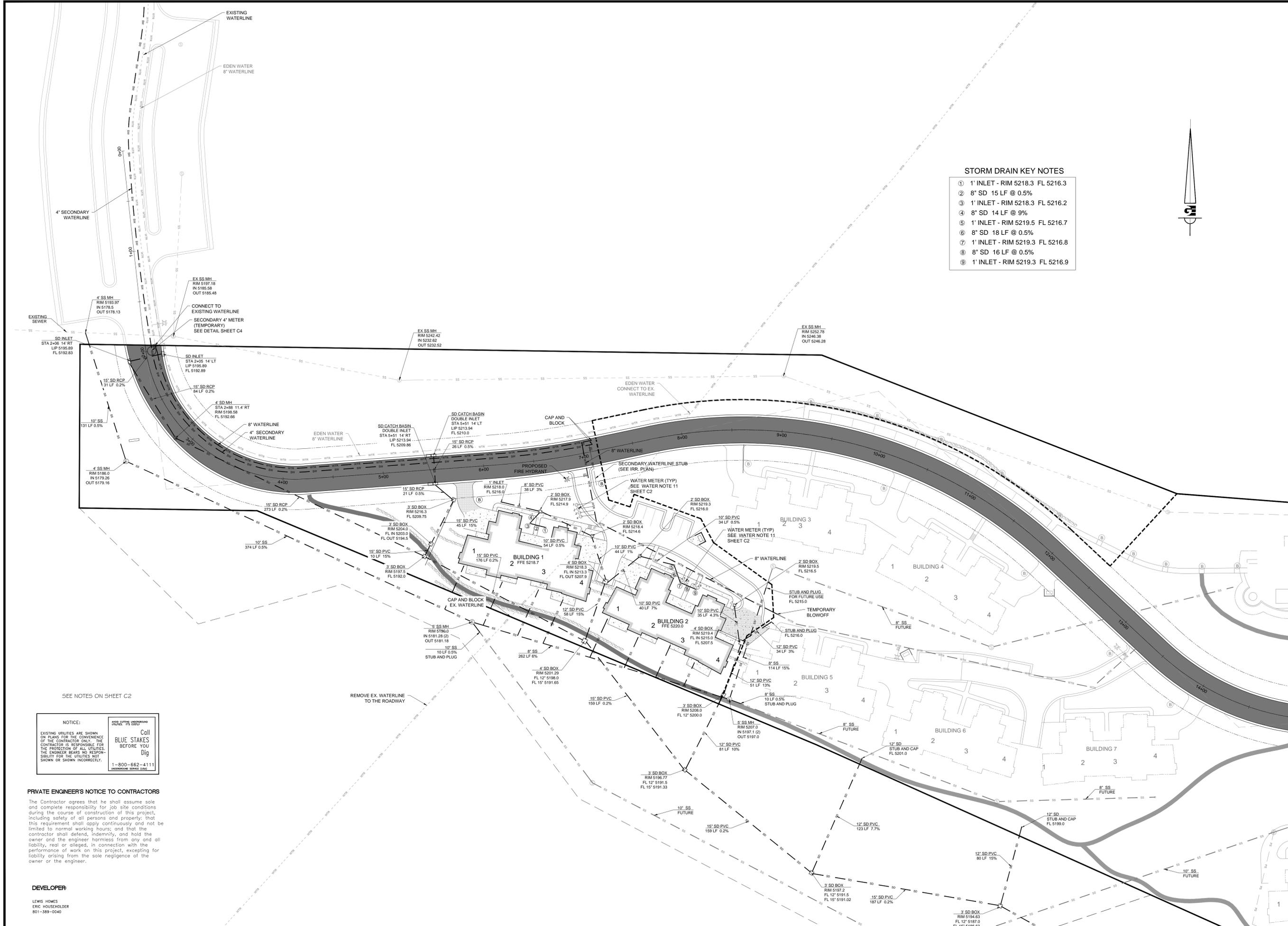
The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

DEVELOPER:
LEWIS HOMES
ERIC HOUSEHOLDER
801-389-0040

| SCALE: 1" = 60' | DATE: FEBRUARY 2004 | DESIGN: RC | DRAWN: DTB | CHECKED: TN | |
|-----------------|---------------------|-------------|------------|-------------|--|
| REVISIONS | DATE | DESCRIPTION | | | |
| | | | | | |
| DWG: | | | | | |

OVERALL GRADING AND DRAINAGE
THE RIDGE
LEWIS HOMES
EDEN, WEBER COUNTY, UTAH

GARDNER ENGINEERING
CIVIL-LAND PLANNING
MUNICIPAL-LAND SURVEYING
5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801-476-0202 FAX: 801-476-0066



STORM DRAIN KEY NOTES

- ① 1' INLET - RIM 5218.3 FL 5216.3
- ② 8" SD 15 LF @ 0.5%
- ③ 1' INLET - RIM 5218.3 FL 5216.2
- ④ 8" SD 14 LF @ 9%
- ⑤ 1' INLET - RIM 5219.5 FL 5216.7
- ⑥ 8" SD 18 LF @ 0.5%
- ⑦ 1' INLET - RIM 5219.3 FL 5216.8
- ⑧ 8" SD 16 LF @ 0.5%
- ⑨ 1' INLET - RIM 5219.3 FL 5216.9



| REVISIONS | DESCRIPTION |
|-----------|-------------|
| DATE | |



UTILITY PLAN (1)
THE RIDGE
LEWIS HOMES
 EDEN, WEBER COUNTY, UTAH

GARDNER ENGINEERING
 CIVIL-LAND PLANNING
 MUNICIPAL-LAND SURVEYING
 5150 SOUTH 375 EAST OGDEN, UT
 OFFICE: 801-476-0202 FAX: 801-476-0066

C
 3

SEE NOTES ON SHEET C2

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Coll Blue Stakes Before Dig

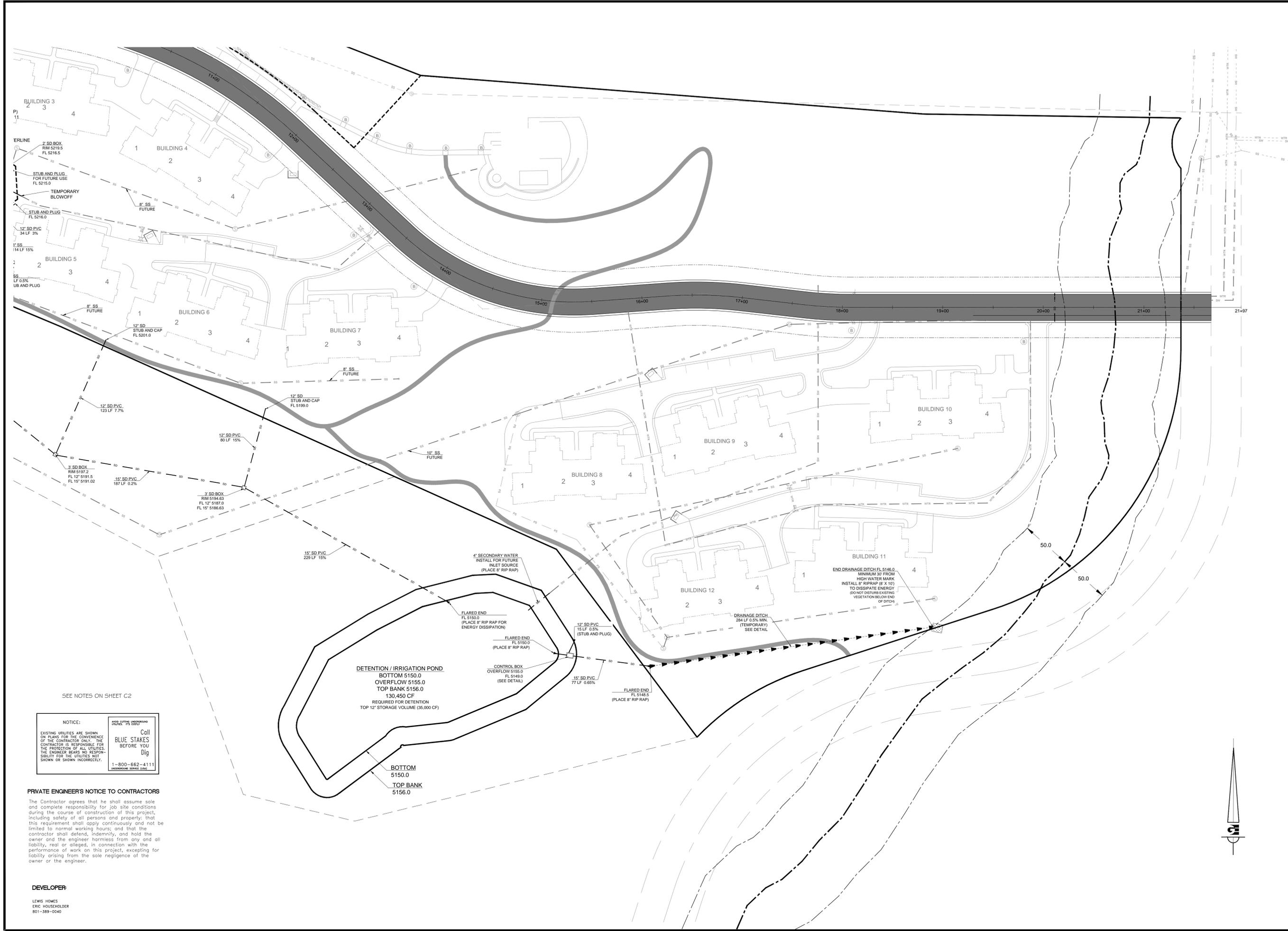
1-800-662-4111

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DEVELOPER:
 LEWIS HOMES
 ERIC HOUSEHOLDER
 801-389-0040

SCALE: 1"=40'
 DATE: FEBRUARY 2004
 DESIGN: RC
 DRAWN: DTB
 CHECKED: TN
 DWG:



| | |
|---------|---------------|
| SCALE | 1" = 40' |
| DATE | FEBRUARY 2014 |
| DESIGN | RC |
| DRAWN | DJB |
| CHECKED | TN |

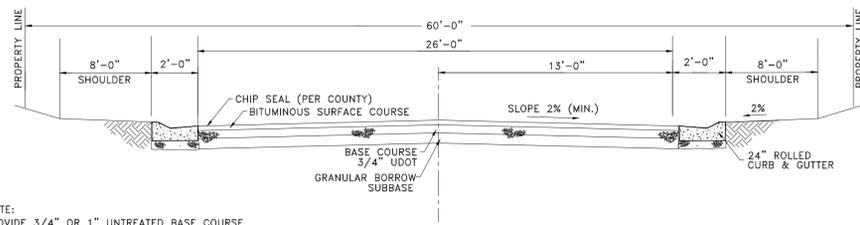
| REVISIONS | DESCRIPTION |
|-----------|-------------|
| DATE | |



UTILITY PLAN (2)
THE RIDGE
LEWIS HOMES
EDEN, WEBER COUNTY, UTAH

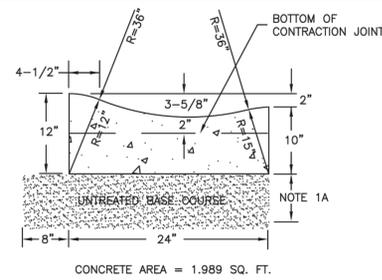
GARDNER ENGINEERING
CIVIL - LAND PLANNING
MUNICIPAL - LAND SURVEYING

5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801-476-0202 FAX: 801-476-0066

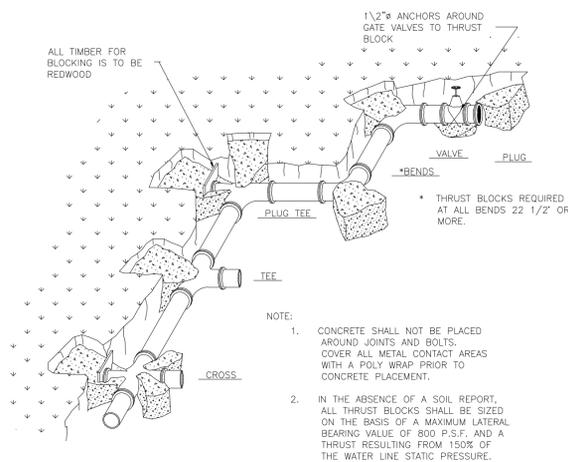


NOTE:
PROVIDE 3/4" OR 1" UNTREATED BASE COURSE
6" THICKNESS UNDER CURB AND GUTTER

ROAD CROSS SECTION
N.T.S.



24" ROLLED CURB AND GUTTER
N.T.S.



THRUST BLOCKING DETAIL
APPLIES TO ALL PRESSURE PIPE

| SIZE | BENDS | | | | TEES | GATE VALVES | DEAD ENDS | CROSSW/BRANCH 2 BRAN PLUGGED | CROSSW/ BRANCH 3 BRAN PLUGGED |
|------|-------|------|---------|---------|-------|-------------|-----------|------------------------------|-------------------------------|
| | 90° | 45° | 22 1/2° | 11 1/2° | | | | | |
| 3 | 1.0 | 0.0 | 0.3 | 0 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 |
| 4 | 1.8 | 1.0 | 0.5 | 0 | 1.3 | 0.5 | 1.3 | 1.3 | 1.3 |
| 6 | 4.0 | 2.2 | 1.1 | 0 | 2.8 | 0.7 | 2.8 | 2.8 | 2.8 |
| 8 | 7.1 | 3.8 | 2.0 | 1.0 | 5.0 | 2.4 | 5.0 | 5.0 | 5.0 |
| 10 | 11.1 | 6.0 | 3.0 | 1.5 | 7.8 | 4.5 | 7.8 | 7.8 | 7.8 |
| 12 | 16.0 | 8.6 | 4.4 | 2.2 | 11.3 | 7.3 | 11.3 | 11.3 | 11.3 |
| 14 | 21.7 | 11.8 | 6.0 | 3.0 | 15.4 | 11.0 | 15.4 | 15.4 | 15.4 |
| 15 | 25.0 | 13.5 | 7.0 | 3.5 | 17.6 | | 17.6 | 17.6 | 17.6 |
| 16 | 28.4 | 15.3 | 8.0 | 4.0 | 20.0 | | 20.0 | 20.0 | 20.0 |
| 18 | 36.0 | 19.4 | 10.0 | 5.0 | 25.4 | | 25.4 | 25.4 | 25.4 |
| 20 | 44.2 | 24.0 | 12.2 | 6.1 | 31.4 | | 31.4 | 31.4 | 31.4 |
| 21 | 49.0 | 26.5 | 13.5 | 6.8 | 34.6 | | 34.6 | 34.6 | 34.6 |
| 22 | 54.0 | 29.0 | 14.8 | 7.4 | 38.0 | | 38.0 | 38.0 | 38.0 |
| 24 | 64.0 | 34.5 | 17.7 | 8.8 | 45.0 | | 45.0 | 45.0 | 45.0 |
| 30 | 100.0 | 54.0 | 27.6 | 13.8 | 71.0 | | 71.0 | 71.0 | 71.0 |
| 36 | 144.0 | 78.0 | 40.0 | 20.0 | 102.0 | | 102.0 | 102.0 | 102.0 |

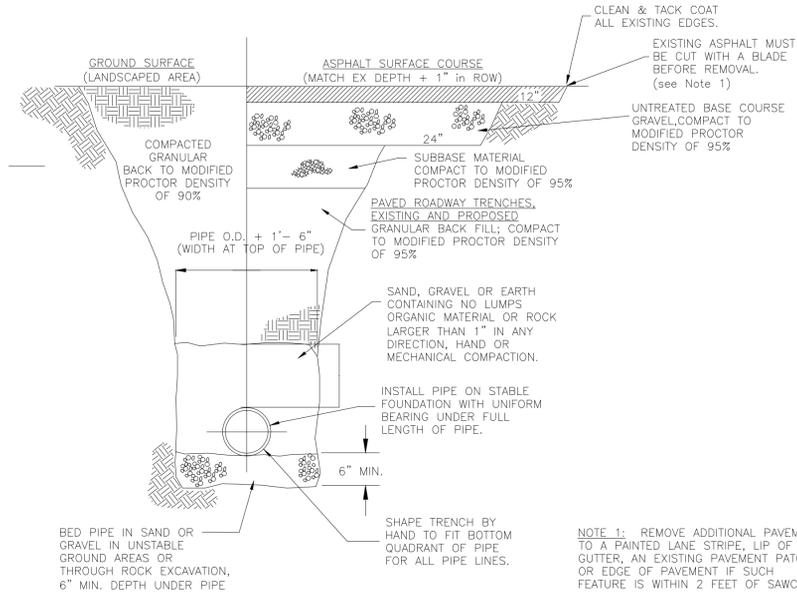
*SIZE IS BRANCH SIZE.
FOR 100 P.S.I. INTERNAL STATIC PRESSURE AND 1000 LBS.PER SQ. FT. SOIL BEARING CAPACITY.

ALL VALVES, TEES, CROSSES AND BENDS GREATER THAN 22.5" SHALL ALSO BE FITTED WITH MECHANICAL RESTRAINTS, SUCH AS MEGA LUGS OR APPROVED EQUAL.

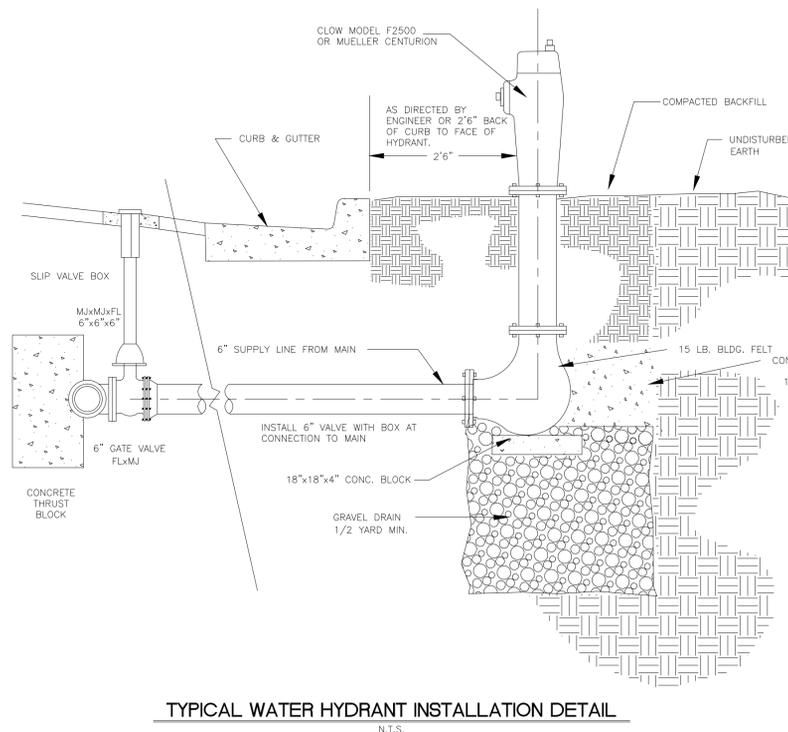
AREAS GIVEN IN TABLE ARE BASED UPON AN INTERNAL STATIC PRESSURE OF 100 P.S.I. AND A SOIL BEARING CAPACITY OF 1000 LBS PER SQ. FT. BEARING AREAS FOR ANY PRESSURE AND SOIL BEARING CAPACITY MAY BE OBTAINED BY MULTIPLYING THE TABULATED VALUES BY A CORRECTION FACTOR "F".

$$F = \frac{\text{ACTUAL SPECIFIED TEST PRESSURE IN HUNDREDS OF LBS/SQ. IN.}}{\text{ACTUAL SOIL BEARING CAPACITY IN THOUSANDS OF LBS.}}$$

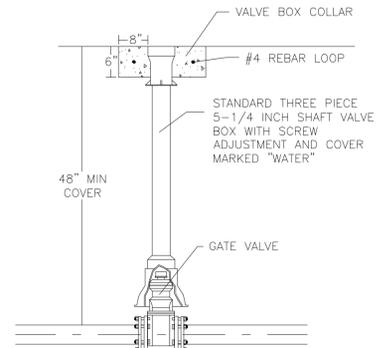
EXAMPLE: TO FIND BEARING AREA FOR 8"-90° BEND WITH A STATIC INTERNAL PRESSURE OF 1500 P.S.I. AND WITH A SOIL BEARING CAPACITY OF 3000 LBS. PER SQ. FT.
 $F = 1.5 / 3 = 0.5$ TABULATED VALUE = 7.1 SQ. FT.
 $0.5 \times 7.1 = 3.56 \sim 4$ SQ. FT. (~OR 2FT. LONG BY 2FT. HIGH.)



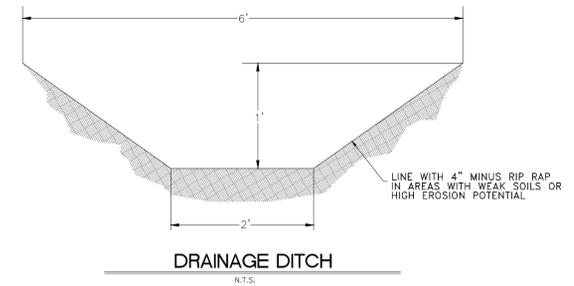
TYPICAL TRENCH SECTION
N.T.S.



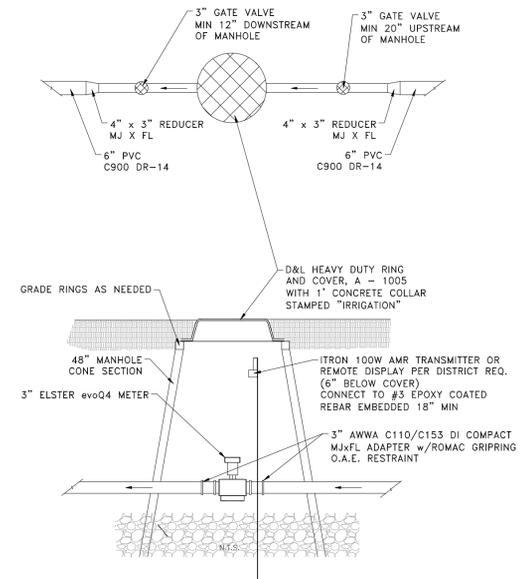
TYPICAL WATER HYDRANT INSTALLATION DETAIL
N.T.S.



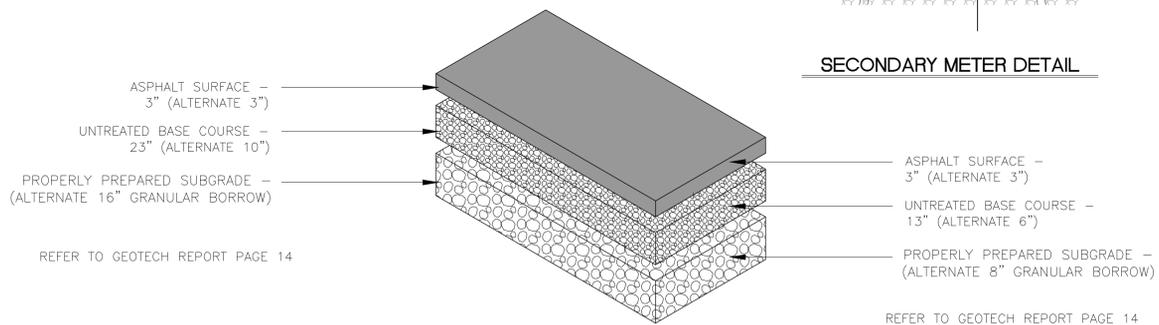
GATE VALVE DETAIL
N.T.S.



DRAINAGE DITCH
N.T.S.



SECONDARY METER DETAIL



TYPICAL HEAVY DUTY ASPHALT PAVING
N.T.S.

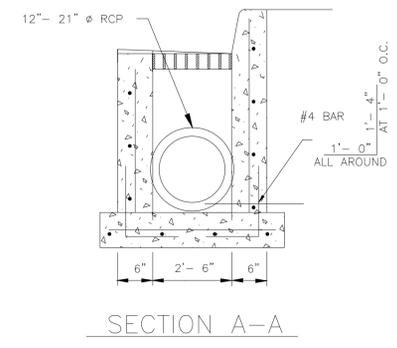
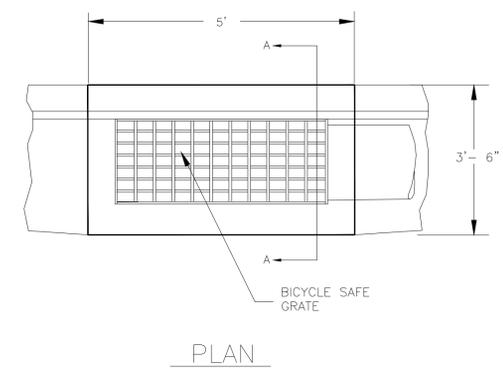
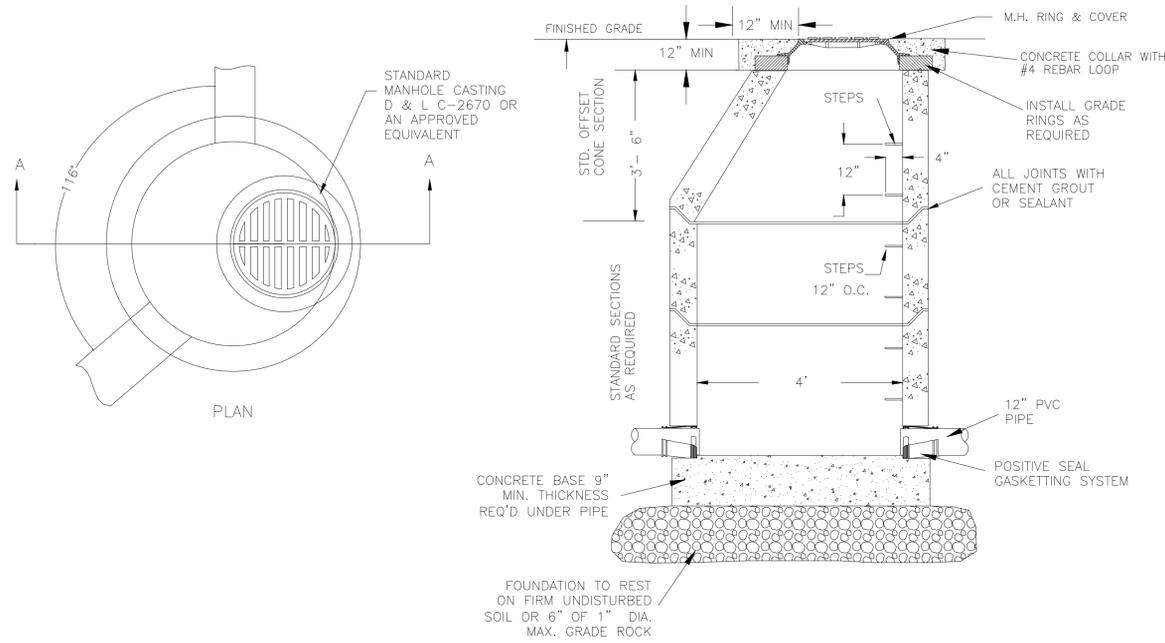
TYPICAL REGULAR ASPHALT PAVING
N.T.S.

| | |
|-----------|---------------|
| SCALE | N.T.S. |
| DATE | FEBRUARY 2004 |
| DESIGN | RC |
| DRAWN | DJB |
| CHECKED | TN |
| REVISIONS | DESCRIPTION |
| DATE | |



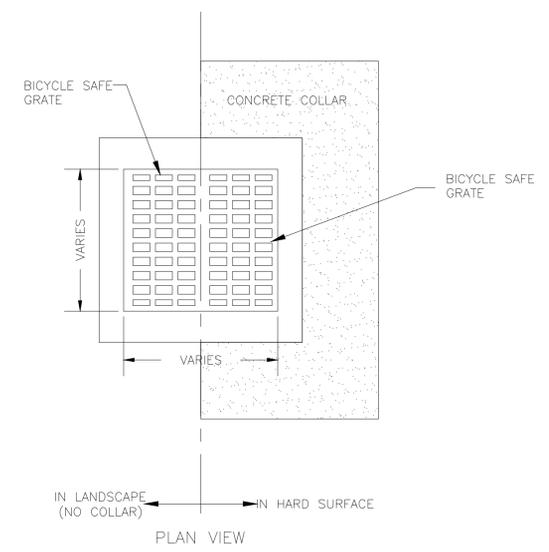
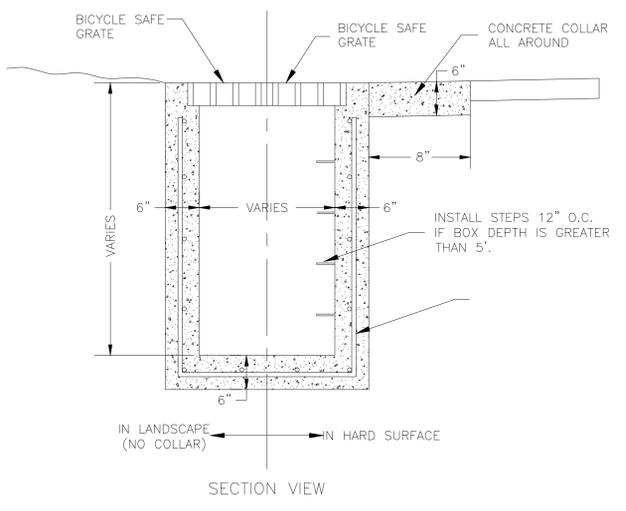
DETAILS - 1
THE RIDGE
LEWIS HOMES
EDEN, WEBER COUNTY, UTAH

GARDNER ENGINEERING
CIVIL-LAND PLANNING
MUNICIPAL-LAND SURVEYING
5150 SOUTH 375 EAST OGDEN, UT
OFFICE: 801-476-0202 FAX: 801-476-0066



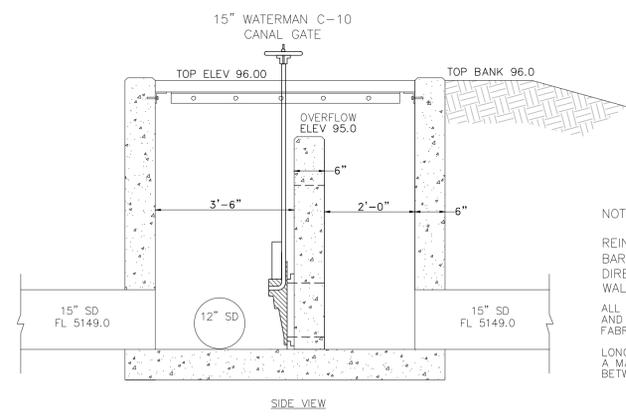
TYPICAL 2'-6" X 4' CATCH BASIN
N.T.S.

MANHOLE
N.T.S.

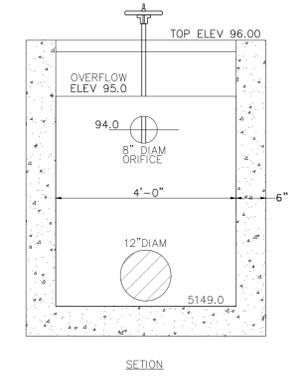
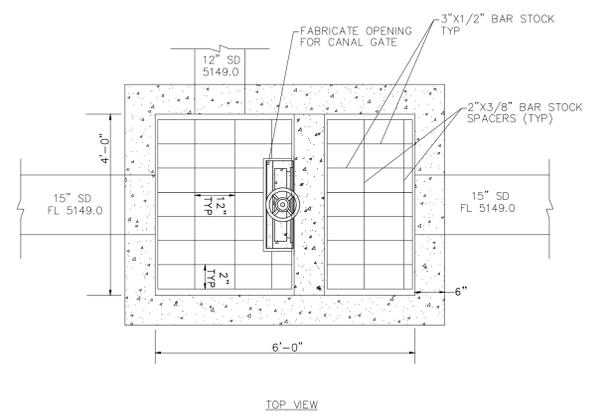


TYPICAL STORM DRAIN BOX
N.T.S.

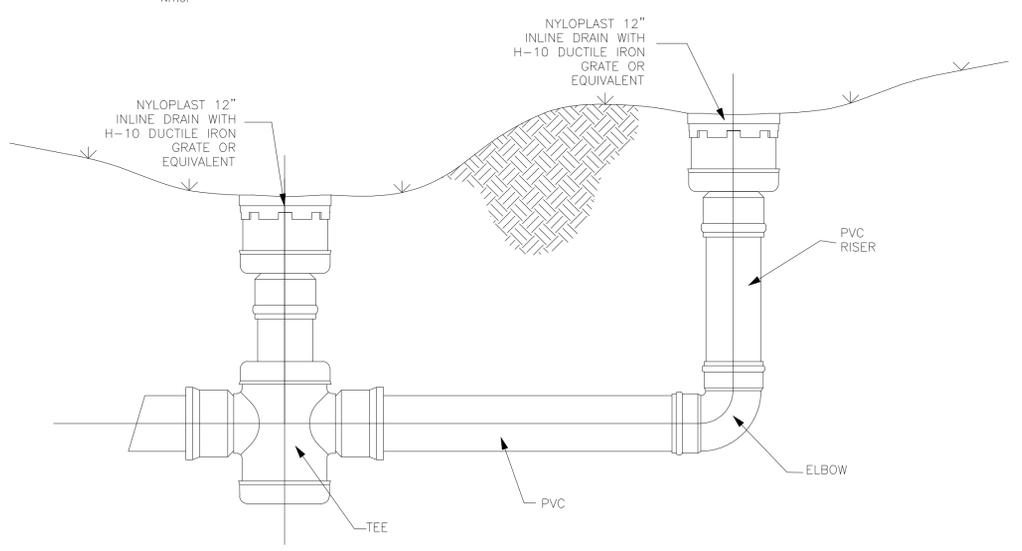
TYPICAL STORM DRAIN BOX
N.T.S.



NOTE:
REINFORCE BOX WITH #4 BARS @12" O.C. BOTH DIRECTIONS AT CENTER OF WALLS AND FLOORS
ALL GRATES, ANGLE IRON AND PLATES TO BE GALVANIZED FOLLOWING FABRICATION
LONGITUDINAL BARS ON GRATE SHALL HAVE A MAX 2" SPACING BETWEEN BETWEEN EDGE OF BARS.



CONTROL STRUCTURE DETAIL
N.T.S.



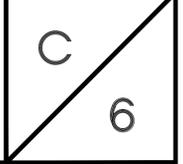
1' INLET - IN-LINE DRAIN BOX
N.T.S.

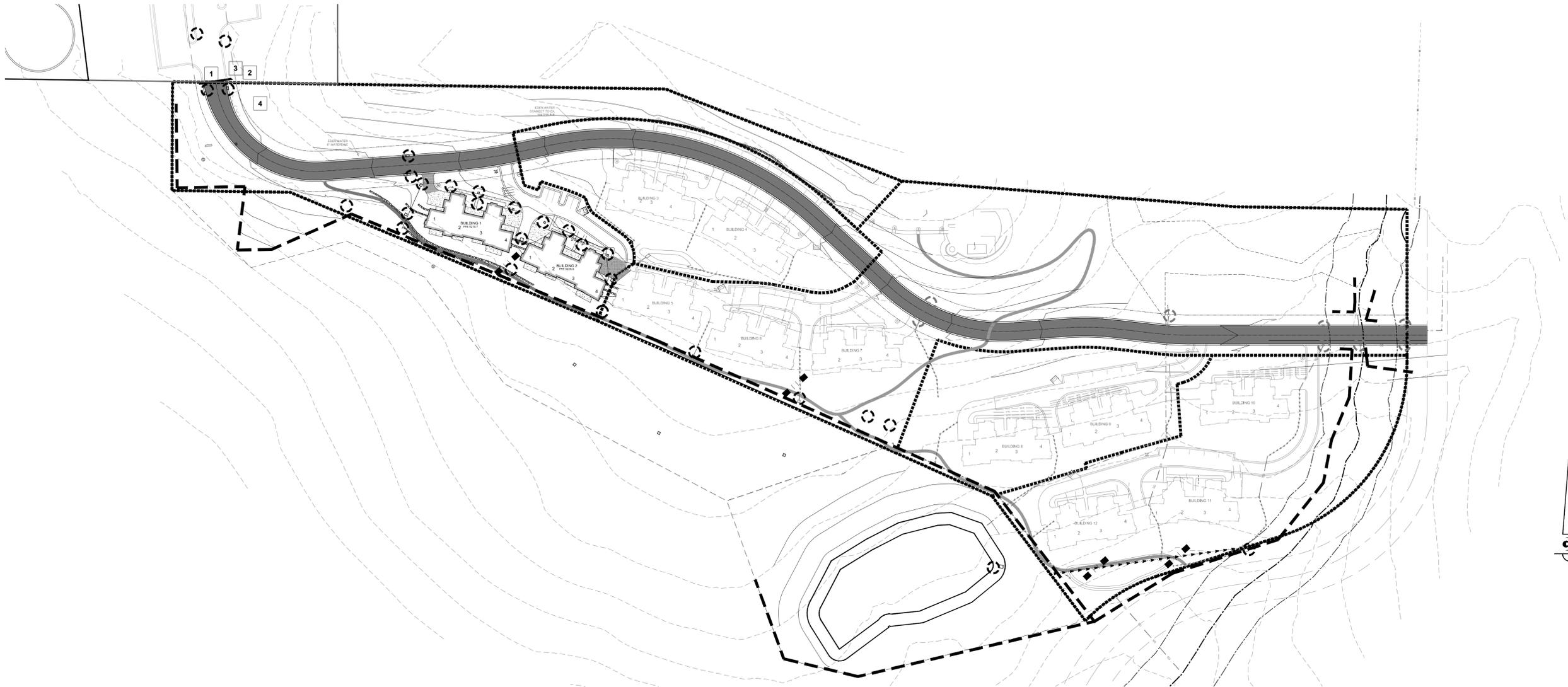
| | | | |
|---------|--------|-------|---------------|
| SCALE | N.T.S. | DATE | FEBRUARY 2004 |
| DESIGN | RC | DRAWN | DTB |
| CHECKED | TN | | |



DETAILS - 2
THE RIDGE
LEWIS HOMES
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| | |
|---------|---------------|
| SCALE | 1" = 80' |
| DATE | FEBRUARY 2004 |
| DESIGN | RC |
| DRAWN | DTB |
| CHECKED | TN |



STORM WATER POLLUTION PREVENTION PLAN
THE RIDGE
LEWIS HOMES
EDEN, WEBER COUNTY, UTAH

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LEGEND

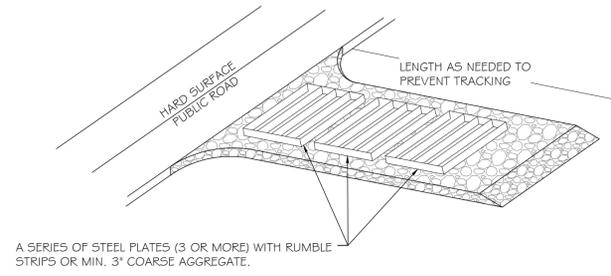
- INLET PROTECTION (GRAVEL FILLED WATTLES AND FABRIC UNDER GRATE)
- SILT FENCE - INSTALL SILT FENCE AS NEEDED TO CONTROL SEDIMENT
- FIBER ROLL / GRAVEL FILLED WATTLES (INSTALLED IN DRAINAGE SWALE)

SWPPP KEY NOTES

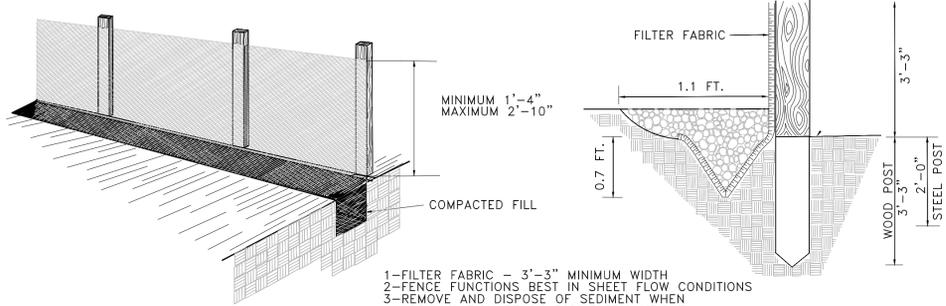
- 1 STABILIZED CONSTRUCTION ENTRANCE
- 2 WASH-OUT AREA
- 3 POSTED SWPPP LOCATION
- 4 STAGING AREA / CONSTRUCTION SUPPORT

SWPPP NOTES

1. CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FROM THE COUNTY AND THE STATE AS REQUIRED.
2. ALL REQUIREMENTS OF THE GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES SHALL BE MET.
3. ALL BMP'S SHALL BE IN PLACE PRIOR TO BEGINNING OF CONSTRUCTION OR ACTIVITIES THAT MAY REQUIRE BMP'S
4. AN UPDATED COPY OF THE SWPPP SHALL BE MAINTAINED AT THE SITE.
5. SILT FENCE, INLET PROTECTION, AND STREET CLEANING SHALL BE COMPLETED AS NEEDED TO PREVENT EROSION AND SEDIMENT FROM ENTERING DRAINAGES.

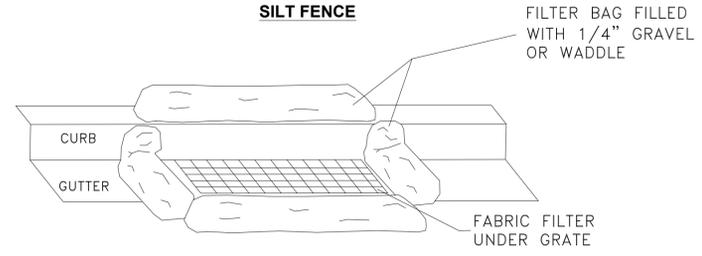


A SERIES OF STEEL PLATES (3 OR MORE) WITH RUMBLE STRIPS OR MIN. 3" COARSE AGGREGATE.



- 1-FILTER FABRIC - 3'-3" MINIMUM WIDTH
- 2-FENCE FUNCTIONS BEST IN SHEET FLOW CONDITIONS
- 3-REMOVE AND DISPOSE OF SEDIMENT WHEN ACCUMULATION REACH 50% FABRIC HEIGHT.
- 4-BACKFILL MIN 0.7 FT. THICK LAYER OF FREE DRAINING GRANULAR BACKFILL MATERIAL.

SILT FENCE



INLET PROTECTION